

KWAKU BOAMPONG P.E

5313 LIGHTNING VIEW RD COLUMBIA MD 21045 410.964.8456 Boampong_Kwaku@yahoo.com

ATTACHMENT
A

DIRECTOR OF ENGINEERING

Energy Management | Financial Management | Project Management

SUMMARY OF QUALIFICATIONS

Versatile, detail-oriented, and seasoned professional, offering exceptional expertise in handling all economic, and technical aspects of energy management, sustainability, corporate strategy, and innovative process improvement. With over 34 years post qualification experience in engineering, having been involved in the design, feasibility studies, preparation of engineering reports and bidding documents, supervision of construction/contract management, and project management of a number of civil, highway engineering and building Projects.

CORE COMPETENCIES

- Corporate Strategy
- Energy Management & Sustainability
- Oil and Gas Systems and Technologies
- Performance Management
- Risk Management
- Presentation and Proposals
- Project Management

PROFESSIONAL EXPERIENCE

06/2009 – date	Emissions Consult LLC	Director Of Engineering
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Responsibilities

- Develop client innovation road map and manage brainstorming and ideation
- Drive rapid decision-making during critical experimentation and executions phases of all major corporate client strategic differentiation initiatives
- Manage all R&D decisions for clients
- Provide expert oversight of all energy efficiency projects and communicate results
- Provide investment advice on all growth initiatives and emerging business opportunities in the electric, oil and gas industries.
- Provide investment advice and lead policy-related decisions on the upstream and downstream of the Oil and Gas industry for clients
- Provide periodic policy and economic analysis of the Oil and Gas industry
- Analyze facts and data to support sound, logical decisions regarding major loans and investments in the electric power, oil and gas industries for clients
- Actively participate in annual energy budget, which is comprised of deliverables, analysis and presentation to management.

02/2004 – date	ABP Consult Limited	Civil Engineer
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Reconstruction of Sunyani Road in Kumasi including the reconstruction of 11.0km Asphaltic Concrete paved 6 lane dual carriageway, two major interchange bridges and five underpasses (07/2007 – to date). Project

Director responsible for the design review, contract management and the supervision of the project. Client is the Government of Ghana through the Department of Urban Roads. Estimated construction cost was US\$ 99.0 million.

Construction of four (4) Strategic fuel Storage tanks and Bund walls at the Accra Plains Depot for the Bulk Oil Storage and Transportation Company (11/2004 – 09/2007). Project Director and Resident Engineer. This was a

design-built contract and involved the checking of contract drawings, specifications and construction supervision. Responsible for the Contract Management and Supervision of the

Supervision and Contract Management of the construction of Road rehabilitation and Traffic Management works in Tema and Sekondi-Takoradi for six (6) months only (02/2004 – 07/2005). Chief Resident Engineer. The Tema Works included the construction of A two spans, pre-stressed beams (post tensioned) interchange bridge across the Accra - Tema motorway. Responsible for the supervision and contract management of the project. Client was the Government of Ghana through the Department of Urban Roads and Funded AFD.

07/1999 – 12/2003

Jackson And Tull, Washington D.C. Civil and Project Engineer

Project Engineer for the Integrated Traffic Management System For Washington D.C. Sub-Consultants to DUNN Engineering Associates of N.Y. Leader of Jackson and Tull Team responsible for data collection, traffic signals inventory survey and Base Map preparation. The Project was to integrate all traffic signals in the District of Columbia and Manage the traffic in the District from one control station. It was also to introduce intelligent systems for traffic management. (09/2002 – 12/2003)

Design Engineer for the reconstruction of Southern Avenue S.E., from Suitland Road to Pennsylvania Avenue, Washington D.C. Responsibilities included co-ordination of the whole design assignment, and the design of roadway improvements, including horizontal and vertical alignment, grading plans, traffic control plans, and road marking and signing plans. (07/1999 – 04/2001)

Project Engineer for the Utility Task Order Contract, D.C WASA, Washington D.C. Various tasks for the upgrade of water supply, storm water and sewer utilities in the District of Columbia. Task 1 specifically solved a flooding/storm water drainage problem. Another task was the design of Combine Sewers overflow/separation facility, including reconstruction of a sanitary sewer diversion manhole. Task 6 was the replacement of water main under F Street, N.W. Washington D.C. (06/2001 – 01/2001)

Civil Engineer on the 11th Street Ramp connections to south-east freeway, Washington D.C Responsible for the design and preparation of traffic management drawings, during construction, and Quantity Estimates for the Reconstruction of the 11th. Street Ramp in Washington D.C. (08/2001 – 12/2001)

Project Engineer for the reconstruction of Southern Avenue S.E., from Suitland Road to Pennsylvania Avenue, Washington D.C. Responsibilities included co-ordination of the whole design assignment, and the design of roadway improvements, including horizontal and vertical alignment, grading plans, traffic control plans, and road marking and signing plans. (01/2002 – 08/2002)

01/1989 – 12/1998

ABP Consult Limited

Civil Engineer and Resident Engineer

Highway Design Engineer, Provision of Off-Site Infrastructure for the Tema Export Processing Zone. Responsible for the Planning, Engineering Studies and Design of the first three kilometres of roadway and storm drainage, of the Tema/Aflao road to accommodate the additional traffic that would be generated by the Tema Export Processing Zone. The assignment included the design of a six lane dual carriageway asphaltic concrete paved road and the intersection of the main access road to the area. (04/1997 – 12/1998)

Resident Engineer for the construction of Selected Roads in Accra, Ghana. Was one of the two Resident Engineers who head the teams that handled the contract management and Construction supervision of Kanda Highway, Darkuman Road, Kwashieman Road and Dansoman Road. (11/1991 – 12/2006)

Highway Design Engineer for the geometric design of selected roads in Accra. Highway Engineer responsible for the survey and design of the Kanda Highway, Darkuman, Dansoman and the Kwashieman roads. The assignment involved the design of five kilometres of four lane dual carriageway, asphaltic concrete paved road and all the associated drainage Works for Kanda highway and a total of six kilometres of two lane, Asphaltic concrete roads and associated drainage works. (01/1989 – 12/1990)

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MASTER OF BUSINESS ADMINISTRATION WITH FOCUS ON FINANCE
University of Baltimore, MD

BACHELOR OF SCIENCE CIVIL ENGINEERING
Kwame Nkrumah University of Science and Technology, Kumasi

ASSOCIATION OF ENERGY ENGINEERS
Buying Power in Competitive Retail Markets

CERTIFICATIONS

Certificate in Project Preparation, Economic Institute, Belgrade, Yugoslavia

PROFESSIONAL AFFILIATIONS

- Member Ghana Institution of Engineers, MGHIE
- Chartered Engineer, CEng. UK
- Member Institution of Civil Engineers, UK. MICE
- Member American Society of Civil Engineers, MASCE
- Licensed Professional Engineer, PE, Maryland, USA

ABENA BOAMPONG

131 Brighton Lane, Mars, Pennsylvania 16046 410.707.6278 abinyarko@emissionsconsult.com

BUSINESS DEVELOPMENT MANAGER

Energy Management | Financial Management | Project Management

SUMMARY OF QUALIFICATIONS

Well-developed, organized, and goal-oriented Energy Management, finance and accounting professional, with comprehensive years of experience in financial and energy planning and analysis, project management, along with audit and management accounting. Equipped with in-depth expertise in handling energy and financial operations combined with analytical and problem-solving skills in identifying high-risk financial problems and developing appropriate resolution in various industries. Employ excellent communication and collaboration skills in directing organizations to ensure accomplishment of company targets. Utilize research and studies on current industry market trends to effectively address energy procurement, planning and financial issues. Possess technical understanding of Energy Procurement, Lighting Audits and Sarbanes-Oxley Act requirements, as well as solid knowledge of risks and controls within a SEC-regulated environment.

CORE COMPETENCIES

- | | |
|--|---|
| <input type="checkbox"/> Energy Planning and Procurement | <input type="checkbox"/> Performance Management |
| <input type="checkbox"/> Budgeting and Forecasting | <input type="checkbox"/> Staff Training and Development |
| <input type="checkbox"/> Account Management | <input type="checkbox"/> Cost Analysis |
| <input type="checkbox"/> Business Development | <input type="checkbox"/> Risk Management |
| <input type="checkbox"/> Regulatory Compliance | <input type="checkbox"/> Presentation and Proposals |

PROFESSIONAL EXPERIENCE

EMISSIONS CONSULT LLC, MD Consultant, Business Manager

Jun 2009–Present

Oversee energy audits, reporting and budgeting for Businesses. Prepare monthly energy usage and consumption reports, Prepare and analyze energy usage and cost index data to enable companies develop business cases and make other cost savings decisions around their energy usage. Oversee and assist businesses in capital projects project and financial updates to maximize business productivity and profitability.

Key Accomplishments:

- Successfully established annual energy budgets, along with quarterly forecast updates, in collaboration with Energy and Property Managers.
- Worked closely with Energy Management Teams formulating executable energy strategic plans for business initiatives and operation models that drove operational excellence.
- Proactively involved in project cost accounting support to all capital projects, including Basel II initiative that ensured smooth financial business operations.
- Assists in procurement contracts that yield maximum savings for Businesses
- Identify areas of Lighting and Energy risks and opportunities for commercial facilities such as code requirements for commercial buildings
- Actively participate in annual energy budget, which comprised of deliverables, analysis and presentation to management.

Consultant, KPMG LLP, McLean, VA

Apr 2007–Jun 2009

Conducted thorough analysis of financial data and recommended areas of improving financial and management reporting for various organizations including major Financial Institutions and major Oil and Gas Companies. Took

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part in the evaluation of annual financial plan budgets and forecasts for the manufacturing and supply chain areas of technical operations, focused on accuracy of production forecast and variations. Served various major clients, such as, Williams Company (Oil & Gas), Tenaska, McJunkin Redman, Vertis Inc., McCormick and Goldman Sachs.

Key Accomplishments:

- Customized and utilized Hyperion Planning to collect and document current workflow processes and to generate inventory of reports and business calculations for a major Oil and Gas company to ensure accurate, reliable and timely delivery of financial reports.
- Handled inventory reconciliations for large accounts which included a major oil and gas company supply company.
- Evaluated month-end closing process in developing solutions to reduce timeline, from 21 days down to 10 days.
- Performed regulatory research on gas and electric rate cases for a major gas and electric company to ensure client trust and confidence.
- Researched and prepared accounting procedure for revenue recognition.
- Identified and documented areas of financial weakness and non-compliance to create and implement appropriate corrective actions
- Collected and gathered business requirements for the implementation of new ERP system.
- Utilized Oracle GL chart of accounts to organize and align mapping of different chart accounts, as well as to facilitate chart of accounts maintenance process.
- Assessed financial and non-financial data of telecommunication companies to comply with Federal Communications Commission regulations.
- Resolved discrepancies in financial data and information by conducting variance analysis between the audited and unaudited statements.
- Implemented Sarbanes-Oxley testing to assist efficiency of client's internal control over financial reporting at six locations.
- Coordinated with control owners and ensured application of control test in certain areas of finance.

Senior Financial Analyst Verizon Wireless, Laurel, MD

Jun 2002–Apr 2007

Contributed in the closing and financial statement preparation for a Verizon division. Made use of PeopleSoft general ledger to handle a pre-established end-to-end closing process. Handled monthly accruals and financial reports to be submitted to the senior management. Prepared Expense budget and rolling sales forecast for various sales divisions.

Key Accomplishments:

- Evaluated and determined causes of variances by conducting trend analysis on specific general ledger accounts to facilitate closing process and provide resolutions.
- Identified and applied appropriate actions to process gaps and discrepancies by investigating budget activities in order to support functional analysts and senior management.
- Consistently examined historical trends to formulate and implement expense projections.
- Managed journal entries and general ledger reconciliation focused on reorganizing journal entries to address chart fields, reduce errors, and provide accurate financial reporting.
- Worked collaboratively with functional analysts and senior management in conducting research and analysis on market trends to achieve accurate financial results.
- Examined new product performance, competitor analyses, and industry market trends to create and administer sales forecasting.
- Utilized Hyperion Essbase, Analyzer, and PowerPlay Cubes in creating reports to trace and supervise key performance indicators for decision-making.
- Ensured compliance of business operations with company policies and Generally Accepted Accounting Principles (GAAP) by assessing and auditing sales activities and employee business expenses
- Reviewed and tracked payroll and benefits information for employees

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- Trained employees on new Peoplesoft HR system and provided ongoing support to employees.

EDUCATION AND CREDENTIALS

MASTER OF BUSINESS ADMINISTRATION WITH FOCUS ON ACCOUNTING

Loyola University, Baltimore, MD

BACHELOR OF ARTS IN ECONOMICS

University of Maryland, Baltimore County, MD

ASSOCIATION OF ENERGY ENGINEERS

Courses in: Buying Power in Competitive Retail Markets, Certified Lighting Efficiency Professional, Certified Energy Manager

CERTIFICATIONS

Yellow Belt Certified, and CPA Candidate

PROFESSIONAL AFFILIATIONS

National Association of Black Accountants
CMA Institute

TECHNICAL ACUMEN

Microsoft Office Suite (Word, Excel, Outlook Access, and PowerPoint)
Lotus Notes | Oracle (Financial Business Intelligence) | PeopleSoft Financials | Hyperion Planning and Reporting,
Hyperion Essbase | SAP | SNL
Cognus Tools (Planning, Reporting, and Impromptu)

CHIEF EXECUTIVE OFFICER – ENERGY CONSULTANT

- Able to manage business optimization projects to reduce expenses and maximize profits.
- Regarded for the ability to drive processes and motivate cross-functional teams and provide leadership to numerous strategic business planning, analysis and organizational development efforts.
- Excel in analyzing business processes and performing needs assessments to align solutions with initiatives
- Superb communication, interpersonal, leadership, relationship management and problem solving skills with the ability to excel in challenging and deadline-driven environments.

AREAS OF EXPERTISE

- | | | |
|--------------------------------|----------------------------------|-----------------------------|
| ▪ Business Analysis | ▪ Quality Assurance | ▪ Database Administration |
| ▪ Energy Risk Management | ▪ Financial Planning & Analysis | ▪ Project Management |
| ▪ Audit Management | ▪ Utility Rebate Programs | ▪ Load Curtailment |
| ▪ Streamlining Operations | ▪ Process Documentation | ▪ Energy Information system |
| ▪ Change Control Documentation | ▪ Business Optimization Projects | ▪ Carbon Accounting |
| ▪ Energy Procurement | | |

PROFESSIONAL EXPERIENCE

Emissions Consulting LLC

2009-Present

Business Development Director

- Lead client utility teams to develop and implement energy initiatives aimed at reducing overall utility costs.
- Develop and manage annual utilizing budgets to ensure uninterrupted power supplies to client facilities.
- Project Manager for lightning retrofit projects and energy procurement.
- Establish an annual operating and capital budget including quarterly forecasts in collaboration with business unit CFOs.
- Formulate strategic plans for business initiatives and create operation models to drive excellence.
- Key role in the companywide annual budget and strategic planning process which comprises of business unit deliverables, consolidation, financial, analysis, and presentation to senior management.
- Design environmental and sustainability strategies by identifying drivers, assessing risks and related lifecycle costs, and ensuring accordance with business objectives, operational integration requirements, and governance Infrastructures.
- Gathered requirements from users, experts, and key personnel to understand current system functionality.
- Perform comprehensive gap analysis to ensure system initiatives are achieved.
- Model and document end-user's AS-IS workflow and TO-BE business processes.
- Develop Use Case Diagrams, Activity Diagrams and Sequence Diagrams using Rational Rose and MS Visio.
- Analyze and maintain business and system requirements using Requisite Pro.
- Manage documentation during various phases of product life cycle.
- Design traceability matrix requirements and research and implement best industry practices.
- Utilize Rational Clear Case and Clear Quest as Configuration Management and Change control tools.
- Interact with the development and testing teams to improve overall quality of the Application.

- Evaluate environmental matters and their potential economic and financial reporting in connection with mergers and acquisitions.

Chaveran Inc. (DBA Oracle)

2006-2009

Database Administrator

- Performed server administration, performance tuning, and table maintenance and troubleshooting.
- Installed the Oracle client and server software applications and created/customized databases.
- Utilized Using SSH and Remote Desktop Connections to manage databases.
- Handled Advanced SQL optimizations and large RDBMS.
- Verified backups and ensured the completion of restorations.
- Expert in performing backups and recovery on Linux and UNIX platforms.
- Managed databases occupying terabytes of space.
- Installed and configured RAC in 11g environment.
- Documented and cloned testing procedures to copy data from production to testing, development, and training database environments.
- Installed and configured new database releases.
- Utilized RMAN to reduce minimal interruption to users and their processes and stats pack in 9i in to analyze what occurred or changed within the database at a specific point in time.
- Tracked user access to ensure the integrity of tables and other objects.
- Created roles, assigned privileges, and administered user and group policies.
- Utilized an export/import data pump to refresh development and test schemas with production data.
- Setup and maintained accounts, access levels and conducted monthly and quarterly security audits.
- Developed and maintained standards and procedures for database environment.
- Created and cloned, and installed customized databases
- Provide 24 x 7 x 365 Oracle database support on a rotating pager and database support to the development, middle-tier, and test teams upon request.

Career Note:

Member of the Technical Staff, Verizon Wireless (2005-2006)

Quality Assurance/Technician, Adell Plastic, Inc. (2002-2005)

EDUCATION & TRAINING

Masters of Science Health Administration Informatics

Bachelor of Science Biological Science / French University of Maryland Baltimore County

- Finalist, Who is Who among American College Students
- National Deans List
- Nomination In to the International Mission on Medicine

ASSOCIATION OF ENERGY ENGINEERS

- Certified Carbon Reduction Manager
- Certified Energy Manager
- Certified Lighting Efficiency Professional
- Buying Power In Competitive Retail Markets

STANFORD UNIVERSITY CENTER FOR PROFESSIONAL STUDIES

- Energy Innovation Technology Certificate
- IT BenchMark

PROJECT MANAGEMENT INSTITUTE

Certifications:

- SQL Administrator
- Stanford IT Benchmark
- Stanford Energy Innovation Technology
- Project Management Certification Candidate
- Carbon Reduction Manager

MEMBERSHIPS & AFFILIATIONS

- African Students Association
- Biological Science Association
- Volunteer Howard County General Hospital

TECHNICAL SKILLS

Languages:

SQL Plus,

Databases:

Oracle 11g

Oracle Utilities:

Stats pack, AWR, Data pump, Import & Export, Data guard, RAC

Operating Systems:

Linux, Unix, DOS, Windows, Windows NT, Windows XP Rational Requirements Management Tools, MS Office Suite, MS Visio, VBScript, JavaScript, ASP, HTML, DHTML, MS SQL Server, IIS Server, Windows NT

Naana Boampong

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EDUCATION

UNIVERSITY OF MARYLAND SCHOOL OF LAW, Baltimore, MD August 2011-Present
Juris Doctor Candidate

WELLESLEY COLLEGE, Wellesley, MA August 2005-June 2009
Bachelor of Arts Candidate Economics & Spanish
Study Abroad: Facultad de Filosofía y Letras - **Universidad de Córdoba** (2008)
Cross Registration: **Massachusetts Institute of Technology (MIT)** (2008-2009) – Coursework: Psychology of Gender and Race; Accounting; Business Law (Sloan School of Business)

EXPERIENCE

JUSTADVICE ® PROGRAM – UNIVERSITY OF MARYLAND, Baltimore City, MD May 2013-Present
Teaching Assistant

- Manage 6 student attorneys; interview and provide free and discounted legal advice to indigent individuals
- Develop marketing material; organize community and attorney outreach events; oversee operations and logistics

EMISSIONS CONSULT LLC, Columbia, MD May 2011-Present
Consulting Partner

- Screen potential business deals by analyzing market strategies, deal requirements, and financials; Resolve internal priorities and recommend equity investments; Close new business deals by coordinating requirements
- Develop and negotiate contracts; Integrate contract requirements with business operations; Solicit for clients

MARYLAND LAW COMMUNITY JUSTICE CLINIC, Baltimore City, MD August 2012-May 2013
Student Attorney

- Researched, wrote memoranda, and advised non-profit client on fiscal sponsorships, incorporation, unemployment insurance tax, donation solicitation and piercing the corporate veil of Limited Liability Companies (LLC)
- Attended community association meetings; drafted housing violation notice letters on behalf of community associations against Baltimore City slumlord, and advised them on legal remedies and recourse

STATE'S ATTORNEY'S OFFICE – ECONOMIC CRIMES UNIT, Baltimore City, MD August 2012-April 2013
Law Clerk

- Wrote memoranda on evidence and criminal procedure; drafted, reviewed, and filed pleadings
- Compiled discovery, investigated facts and interviewed witnesses for major theft, counterfeit, and white-collar crimes

STATE STREET CORPORATION – GLOBAL MARKETS, Boston, MA June 2009-July 2011
Foreign Exchange (FX) Credit Risk Analyst, Professional Development Rotational Program

- Researched and prepared internal risk ratings on funds, insurance and corporate counterparties; prepared report and presented on impact of Japan Earthquake on counterparty exposures to risk management heads
- Reviewed counterparty trading activities and adjusted FX trading limits accordingly; formulated new legal guidelines to allow clients to pull out of their Securities Lending investment schemes; prepared liquidity analysis reports; corresponded with U.S. and international broker counterparties to best manage lender availability
- Assisted with Sovereign Wealth Fund business expansion; managed daily loan and collateral reporting to counterparties in accordance with Securities and Exchange Commission industry recommendations

LANGUAGES, VOLUNTEER & INTERESTS

Languages: Fluent in Twi (native, born and raised); Spanish (conversational); French (beginner)

Volunteer: Community Law in Action; Mississippi Center for Justice; Maryland Volunteer Service Corp