

BAMIDELE OLANIYI

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Geotechnical | Mine Waste | Tailings | Project & Planning Engineer and Manager

My career summary is as below:

- Jacobs Engineering UK Ltd – I practically started my geotechnical engineering career with Jacobs in September 2007 and left Jacobs in May 2011. I was actually recruited to replace a departing senior geotechnical engineer and I had six months to learn from him. From March 2008, I started working in the position of senior geotechnical engineer, taking up the tasks, even though I was still a graduate engineer. By the time I left in 2011, I was already recommended for a senior engineer role. At Jacobs, I built a foundation in geotechnical engineering and took advantage of the non-technical trainings.
- In Jacobs, I enrolled in a three years graduate scheme which was intended to develop well rounded technical professionals in Jacobs. I completed the programme in sixteen months, a record achievement in Jacobs.
- In 2012, I joined Knight Piesold Consulting in Ghana as a senior geotechnical engineer, leading the design of various tailings storage facilities in Ghana. I left in 2015. This role provided me the opportunity to grow quickly, developing more diverse engineering skills suitable for TSF design and management. As I started at the deep, it was an intensive but very satisfactory experience.
- The time with Knight Piesold enabled me to develop skills in planning and design of access roads, pipeline routes, drainage, waste storage areas and wetlands
- In 2015, I was recruited by GIBB Engineering and Architecture of South Africa to launch and lead GIBB's expansion into West Africa. I started from ground zero, establishing an office, creating awareness of GIBB, building networks of local and foreign partners, leading business development, writing proposals, managing projects and providing geotechnical inputs to projects. This role enabled the development of my business development, people management, client management, project management, proposal management and relationship management skills and exposed me to the higher level business aspect of consulting across various sectors.
- My career has being opportuned and rapid and I believe I can extend it within your organization.

Areas of Expertise & Technical Skills

Project and Team Management	Rock Mechanics – Slopes, Foundations	Use of British Standard, Eurocode 7, Highway Standards, CDA, ANCOLD, ICOLD
Project Management	Embankment Planning and Design	
Engineering Management	Tailings Storage Facilities Design	Storm Water Analysis
Business Development	Waste and Rock Dump Design	Drainage Planning and Design
Engineering Design and Management	Open Pit Stability Assessment	Technical Review of Reports, Drawings, Designs and GI Data
Geotechnical Site Investigation	Mine and Open Pit Closure	Pipeline Route Planning and Design
Geotechnical Engineering Designs	Tailings Storage Facilities Auditing	Access Road Planning and Design
Foundation, Slope and Retaining Wall	Use of software such as SLOPE/W, SLOPE, WALLAP, PIGLET, REPUTE, VDISP, ROCDATA, HYDROCAD	Water Management
Geotechnical Interpretative and Design Report Writing		Geomembrane, Geotextile, Clay Liner

Erosion Protection Planning & Design	Technical specification for earthworks	Preparation of engineering quantity estimates and cost
Earthwork Construction Supervision and Management	Preparation of engineering drawings and technical specifications	Preparation of contract documents and operations manual

Contract Documents

Professional Experience

GIBB Engineering & Architecture, Ghana

APRIL 2015 – Present

Regional Manager West Africa and Principal Geotechnical Engineer

I was responsible for all aspects of tendering and business development, project management, client management, infrastructure project development, geotechnical engineering and office management.

Sample projects (with geotechnical engineering inputs) include:

- Feasibility studies of Tano hydropower-solar hybrid power project – SI specification and site reconnaissance
- Feasibility Studies for the Tema to Akosombo railway project – SI specification
- Provided technical advisory for Greater Accra Spatial Development Project
- Drive and provided technical advisory for bulk water, housing and power projects.

Knight Piesold Consulting, Ghana

August 2012 – January 2015

Senior Geotechnical Engineer

I led the design and management of tailings storage facilities in Ghana and other West Africa countries. Projects size ranged from \$5 million to over US\$50 million.

Key Contributions:

- Project management of engineering designs, ground investigation and construction supervision projects
- Design of tailings storage facilities including earth dams, access roads, pipeline routes, clay and geotextile linings, storm water and spillway, drainage, waste slurry and water pipeline systems
- Preparation of engineering drawings, technical specifications & engineering quantity estimates and cost
- Preparation of contract documents and operations manual
- Construction Supervision and Management and QA/QC Management
- TSF operations inspections and auditing
- Management of a team of engineers and technicians
- Organised monthly trainings and presentations for engineers
- Established relationships with Ghana Manganese and Ghana Bauxite and successfully won two contracts for mine closure and re-assessment of stability of existing TSF
- Identified new clients and opportunities across West Africa
- Preparation of technical proposals for TSF design and supervision and ground investigations.

Sample Tailings Storage Facilities Projects include:

- Damang Gold Mine – Design of New TSF and Raising of Existing TSF
- Chirano Gold Mine – Design of Raises for TSF 1 and TSF 2
- Wassa Gold Mine – Design of new TSF and raising of existing TSF
- Wassa Gold Mine – Mine Open Pits Closure

- Tarkwa Gold Mine – TSF 1 Stages 7 and 8 Design, Access Road Design
- Bogoso Gold Mine – TSF 2 Stage Raise Designs
- Nzema Gold Project – Design for Raising of Existing TSF
- Ghana Manganese Company – Mine Closure Plan

Jacobs Engineering UK Ltd, UK | Geotechnical Engineer | 2007 – 2011

I designed geotechnical engineering structures for bridges, railways embankments, storage tanks, railway underground basement, roads, buildings, airports and nuclear underground storage. He worked on projects in the United Kingdom, France, South Korea, Saudi Arabia and Qatar.

Tasks:

- Project management of ground investigation and engineering design projects
- Interpretation of ground investigation data
- Determination of design geotechnical parameters
- Design of foundations, retaining walls, ground improvement, erosion protection, embankments, basements and underground spaces
- Instrumentation planning, design, monitoring and interpretation
- Technical specification of earthworks
- Geotechnical interpretative report writing and Geotechnical design report writing
- Assessment of structural failures and proffering and designing solutions

Sample projects:

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| • Qatar Petroleum Complex Project, Qatar | • A34 Wolvercote Viaduct Replacement, UK |
| • Marafiq (Utility) Projects – Saudi Arabia | • Forest Road Bridge, Surrey, UK |
| • PAS Waste Water Treatment, UK | • A1073 Car Dyke Road Embankment, UK |
| • Felixstowe to Nuneaton Railway Project – Ipswich, UK | • A11 Five-ways to Thetford, Norfolk, UK |
| • Manchester Metro Rail Expansion, UK | • Gatwick Airport South Terminal, UK. |

****Additional Professional Experience***

Bon Vivendi Limited, Nigeria | Principal Geotechnical Engineer | June 2011 – July 2012

Pios Hydro-geophysical Services, Nigeria | Geological Engineer | January 2005 – August 2006

Education & Certifications

MBA, Bradford University, UK – 2010 - 2011

MSc Engineering Geology (Geotechnical Engineering), Newcastle University, UK– 2006 to 2007

BSc Geology – 2.1, University of Ilorin, Nigeria– 1999 – 2003 – Best Graduating Student in Geology

Software & Technical Proficiencies

Expert in : Microsoft Suite, SLOPE/W, SLOPE, WALLAP, PIGLET, REPUTE, VDISP, ROCDATA, GINT