

# ASIWOME BOATENG

## PERSONAL DETAILS

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**Postal Address:** C/O Materials Engineering Department, KNUST, Ghana  
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**Github:** <https://asiwomex.github.io/>

## EDUCATION

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### **MPhil. Materials Engineering** **2021 to Date**

Kwame Nkrumah University of Science and Technology, Ghana.

**Thesis:** Corrosion Inhibition Efficiency of Expired Antimalarial Drugs on 304L and 316L Stainless Steels in Acidic and Basic Media Using Electrochemical Method

### **Cloud Computing** **2023 to Date**

Amazon Web Services

### **BSc. Materials Engineering** **2016-2020**

Kwame Nkrumah University of Science and Technology, Ghana

**Thesis:** Investigation of the Effects of Heat Treatments on the Microstructure, Mechanical Properties and Corrosion Behaviour of 304L Stainless Steel Weld Metal.

## WORK EXPERIENCE

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### **DevOps Engineer, Terateck Solutions, Kumasi** **June 2024 – Date**

- Designing and implementating of comprehensive Terraform projects, structuring environments and modules for AWS infrastructure.
- Automating the deployment of CI/CD Backend services to AWS using GitHub Actions and AWS CodeDeploy
- Utilizing Docker to containerize PHP, WordPress, and Django applications, enhancing deployment efficiency and consistency.
- Deploying and managing a Django API on AWS EC2 D, utilizing Nginx, Docker, and Let's Encrypt for secure, scalable application management
- Provisioning and managing of AWS infrastructure using AWS Cloudformation

### **Materials Lab Technician, Ghana Highway Authority, Ho** **Aug 2021 – Feb 2022**

- Responsible for general management of the laboratory
- Running quality assurance tests on gravel, aggregates and concretes for construction purposes, in lab and on site
- Geotechnical investigations and analysis
- Construction site supervision
- Data Entry

### **National Service, Ghana Highway Authority, Ho** **Sep 202 – Aug 2021**

- Perform gravel exploration and soil sampling for testing
- Quality control and assurance testing of soil samples and aggregates

## SKILLS

<b>DevOps</b>	Terraform, AWS, Docker, Github workflows, Linux, Bash, Ansible,
<b>Lab Techniques</b>	Materials Engineering lab tests and results interpretation, Civil Materials lab tests and results interpretation
<b>Computing</b>	Microsoft Office Proficiency, AWS Cloud Computing
<b>Soft Skills</b>	People Management, Leadership, Reliability
<b>Strategic and Business Planning</b>	Business Model Development, Business Planning, Project Management

## LICENSES AND CERTIFICATIONS



**Digital Ad Certificate - Digital Marketing** - Aleph Group, Inc 547311430875



**Sustainable Business Start-ups (SBS) Entrepreneurship Training –**  
Mastercard Foundation Africa Higher Education Health Collaborative

## LEADERSHIP

**Founder and C.T.O of PLASTICO GHANA LTD**

**Sep 2023 to Date**

Production of Sand-Plastic Bricks for Sustainable Construction Works

## INTERESTS

- Technology
- Reading.
- Listening podcasts.

## REFEREES

1. **Dr. Emmanuel Kwesi Arthur**, H.O.D, Department of Materials Engineering, KNUST
  - a. Phone : +233541710532
  - b. Email : [ekarthur2005@gmail.com](mailto:ekarthur2005@gmail.com)
2. **Ing. Shaibu Mahama Senseu**, Regional Materials Engineer, Western North Region
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  - b. Email : [mahamashuaibsensau@gmail.com](mailto:mahamashuaibsensau@gmail.com)
3. **Jephter Kumuyi Danso**, Chief Executive Officer, Terateck Solutions
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