Asare Nkansah

Problem Solver with a Hunger to Learn

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Personal Website: https://asarenkansah.github.io/asare-portfolio/

EDUCATION

University of Kentucky — **Lexington, Kentucky**

Bachelor of Science in Computer Science — *Aug. 2015 - May 2019*

WORK EXPERIENCE

Planview Inc. — **Lexington, KY**

Platform DevOps Engineer — *Nov. 2020 – Now*

- Architected and built continuous development pipeline and infrastructure to support all cross-product platform applications/services by employing **Argo CD** and **Kubernetes**
  - Utilized **EKS Fargate** to manage containerized, stateless services
- Directed two separate company initiatives to replace old cloud infrastructure by leveraging **Terraform**, **CloudFormation**, **Kubernetes**, **Helm/Kustomize** and **GitHub Actions** capabilities
- Led international Dev/DevOps team project to integrate **MySQL** database with Slack chat platform to empower customer facing employees to create their own queries with proper governance
- Handling **Linux System Administrative** duties to troubleshoot backend issues with product while automating manual tasks/fixes using **Ansible** and **Rundeck**

Technical University of Berlin & Reiner Lemoine Institute — **Berlin, Germany**

Sustainable Energy Workshop — *August 2019*

- Presented proposal to potentially help bring a sustainable source of energy to the people of rural Nigeria, the majority of which are currently without a reliable electric power source
- Identified social costs and proposed subsidizing solar home systems to bridge economic gap

Apple Inc. — **Cupertino, CA**

Enterprise Design Lab — *May – Aug. 2019*

- Three days in Apple's lab in Cupertino assisting the University of Kentucky (UK) design an iOS app focused on student success
- Delivered presentations focused on UK's iOS application to 10,000 people over four weeks

University of Bordeaux — **Talence, France**

Groupe Chimie Théorique et Modélisation — *May 2018 – Aug. 2019*

- Modeled simulations that predict charge transport characteristics of phthalocyanine crystals
- Presented research at international conference in Toulouse, France to over 200 attendees
- **Published Research:**
  - "Simulation of the Electronic Properties of Group 14 Phthalocyanine Derivatives" - *International Journal of Biomedical Data Mining '21*

Argonne National Laboratory: US Department of Energy — **Chicago, IL**

High-Performance Computing Division — *May 2017 - Aug. 2017*

- Utilized parallel computing to improve the overall efficiency of complex theoretical simulations
- **Published Research:**
  - "Path from Serial Execution to Hybrid Parallelization for Learning HPC"- *SuperComputing '17*

Skills

Technical Tools: Linux System Admin, Terraform, Docker/Kubernetes, Helm, Kustomize, Python, ReactJS, Datadog, Sumo Logic, MySQL, AWS Infrastructure, Rundeck, Github Actions