Samuel Agbonkpolo

Software Engineer

⦿ Abuja, Nigeria
☎ +2348102488225
✉ samuelagm@gmail.com

Summary

- I have more than 5 years of experience building APIs and distributed services in data analytics, AI, search, biometrics, and DevOps.
- Built distributed and scalable services enjoyed by more than 100, 000 users.
- Led various teams in achieving improved service delivery, cost savings, and increased revenue with business process automation.

My Tech Stack:

Golang, JavaScript (Node.js), C++ , .NET(C#), Python

Redis, Apache Kafka, MongoDB, MySQL , ElasticSearch

Docker, Kubernetes, Helm

AWS, Azure

Tensorflow

Github Actions for Continous integration and Git for version control.

Github

https://github.com/samuelagm

Education

B.Sc Computer Science
2011 - 2014

University of Benin

Fault Prediction in Power Transformers using Support Vector Machine (SVM) and Dissolved Gas Analysis.

Skills

Backend Development

I have extensive experience building backend applications including APIs, ETL pipelines, and other distributed services. I have used Golang, .NET(C#), Node.JS, C++ programming languages depending on the specific need and environment.

I have also worked with various database/search systems like Redis, MongoDB, CouchBase, MySQL, Elasticsearch/Kibana, and Apache Kafka.

Types of applications built:

- APIs (REST & GrapQL)
- Distributed Services
- Biometrics
- Computer Vision and Facial Recognition
- AI/ML with Tensorflow and Tensorflow servings

Cloud/DevOps

I have worked extensively with AWS services including EC2, ECS, ECR Route53, VPC, and EKS.

I also have a good working experience with Azure Services and Google Cloud, with regards to CI/CD I have used CircleCI, Travis, and Github Actions with different test frameworks.

DevOps Tools:

- Docker
- Kubernetes
- Helm

Mobile/Frontend

I have also built PWA dashboards with React and Hybrid Apps with Flutter, I also have extensive experience with Android.

Work experience

Technical Consultant
DATAINFOSEC LIMITED

2017/01 - 2020

Led the development of a complete end to end biometric solution for attendance monitoring as well as a data analytics pipeline and process automation service that helped reduced labor cost, improved revenue for client companies and government agencies.

Role:

- Design and Implementation of data aggregation and processing IT infrastructure
- Business process automation service design and development
- Setup and maintenance of fingerprint processing and authentication infrastructure on private cloud and AWS.
- Deployment and management of Kubernetes Clusters on AWS

Software Engineer
ROMFLEX/PAYPORTE

2015/03 - 2016/12

I spearheaded and participated in various projects including logistics processing for customer orders, customer notification for recommendations and advertisement, product search, and cross-platform mobile development that led to improved customer retention and growth. I also introduced new technologies that led to faster product development.

Role:

- I developed a real-time messaging infrastructure based on XMPP
- I also spearheaded the development/deployment of push notification for payporte.com
- I helped improve search result speed and relevance, by deploying a distributed and fault-tolerant search infrastructure powered by Apache Solr.
- I Introduced native cross-platform technology to mobile application development.