

PERSONAL INFORMATION

Mohamed Kamara

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52 Jalloh Terrace, Brama Lane.

Freetown.

EDUCATION

- Attended Prince of Wales Senior Secondary School Kingtom, Freetown.
- First Class honors degree in Elcetrical and Electronics Engineering at Fourah Bay College, USL

EXPERIENCE

- Founder of a startup firm (Epsierra).
- Worked as freelancer, developing web applications for businesses.
- Tutoring students on how to develop and write their dissertation projects

SKILLS

- Python
- JavaScript
- TypeScript
- Golang
- Bash Scripting
- React Native for mobile application
- Frontend Web Development with React, and Next.js framework: with Typescript and JavaScript.
- Desktop Software Development with Electron framework
- Nodejs
- Machine Learning and Data Analysis with python
- Data Analysis with Apache Superset
- Penetration Testing with Kali Linux operating system (Cybersecurity)
- System Observability with Prometheus and Grafana
- Microsoft Word, Excel and Power Point
- Database Management System

- Data Visualization and Analysis with python
- Docker
- Amazon Web Services: EC2, ECR, S3
- Github
- Fiber (Golang): Web development framework
- Express (Typescript and Nodejs): Web development library
- Modern Event Driven Design (using Kafka) in Software Development Architecture
- Flask (Python): Web development library
- Unit Testing, Linting, Formatting, and CI/CD Pipeline
- Retrieval Augmented Generation (RAG) with Large Language Models (LLMs) - AI Chat box, AI agent etc.

LANGUAGES

- English
- Krio

PROJECTS

- Heart Attack Diagnosis model using Artificial Intelligence
- Simulated a custom signal generator using NI Multism
- Multi-vendor Ecommerce mobile, web application and an administrative desktop application
- Students Management System
- Dissertation Management System
- Hostel Management System
- Herman story telling application
- Physics Grading and Student Management System
- Developer of the Engineering Society voting website
- Developer of *Epsierra* website - <https://epsierra.com>
- Developer of *Epsierra for developers* website - <https://developer.epsierra.com>

ACHIEVEMENTS

- Former school prefect at Prince of Wales Senior Secondary School.

- Best graduate in faculty of Engineering, class of 2022 with the highest GPA 3.73/4.0
- One of the winners of PICO-CTF 2022 Cyber Security Hackathon award in Sierra Leone.