

# HOPE IYAMU

## Full Stack Software Engineer

Benin City, Nigeria

contact@hopeiyamu.tech | +2349153547755 | <https://linkedin.com/in/iyamuhope> | <https://hopeiyamu.tech>

### TECHNOLOGIES / SKILLS

- **Programming, Scripting & Query Languages:** Python, JavaScript(ES6), C, TypeScript, SQL, Bash
- **Libraries & Frameworks:** React.js, Django, Flask, Express, Node, Mocha, unittest, Pytest, Bootstrap, Tailwind, jQuery
- **Databases & ORMs:** PostgreSQL, MySQL, MongoDB, Redis, SQLAlchemy, Pymongo, Mongoose
- **Tools:** Kubernetes, Docker, Jenkins, Chef, Puppet, GitHub, Git, Visual Studio Code, Vim, Postman, cURL

### PROFESSIONAL EXPERIENCE

- **Full Stack Developer, Fiores Global** *February 2023 - Present // Ankara, Turkey*
  - ❖ Crafted a customized web map specifically tailored for Hacettepe University, enhancing student navigation and experience by implementing specialized features such as walking and cycling route functionality, allowing students to find optimal paths to their desired locations.
  - ❖ Proficiently handled the building, management, migration, and optimization of AWS and other cloud infrastructure services, and also incorporated Datadog for metrics and monitoring. This streamlined setup led to a significant increase in operational efficiency and reduction in deployment failures.
  - ❖ Collaborated with diverse teams of mobile app developers, graphic designers, and UI/UX designers to develop applications. This cooperative approach fostered cross-disciplinary innovation and accelerated project timelines, resulting in a series of successful product launches.
  - ❖ Technologies: Python, JavaScript, React, Django, Kubernetes, Docker, EC2, Jenkins, Redis, Datadog
- **Software Engineer, FNG Enterprises** *Sept 2022 - February 2023 // Marathon, USA*
  - ❖ Developed TypeScript/Express API endpoints and implemented Jest unit test, along with building TypeScript/React frontends for web applications
  - ❖ Leveraged Python/Django to create efficient API endpoints, performed integration testing using PyTest, and utilized Pandas for data-intensive web-based applications
  - ❖ Collaborated closely with a dynamic team to design intricate database schemas for data-intensive web- based applications. Contributed to creating efficient and scalable data structures, ensuring smooth data management and seamless application functionality

### EDUCATION

Holberton School - Software Engineering

2022-2023 // California, USA

University Of Benin - Mechanical Engineering

2015-2019 // Benin, Nigeria

### PROJECTS

- **CoRider** - (Python, JavaScript, Django, Docker, Jenkins) [Demo](#) . [Github](#)
  - ❖ Effectively deployed Corider by orchestrating Docker for containerization, utilizing Jenkins for robust CI/CD pipelines, and leveraging AWS for secure, scalable cloud infrastructure, resulting in a seamless and efficient deployment process.
  - ❖ Implemented an advanced matchmaking algorithm that considers factors such as driver availability, route compatibility, and travel time to ensure optimal matches and a seamless carpooling experience
  - ❖ Incorporated real-time GPS tracking, rating and review system, and identity verification to prioritize safety and provide transparency for the carpooling users.
- **Hbnb** - (Python, JavaScript, Flask, SQLAlchemy, MySQL, EC2, Nginx) [Demo](#) . [Github](#)
  - ❖ Developed and deployed a test-driven full stack Airbnb web application clone on Amazon EC2 instances, utilizing NGINX as the web server and gunicorn as the application server. Set up a replication on/master database configuration to ensure data consistency and high availability.
  - ❖ Implemented a comprehensive command-line interface (CLI) for efficient database management and object interaction, enhancing development capabilities.
  - ❖ Created a user-friendly web application with seamless browsing and booking functionalities, showcasing expertise in full-stack development, API integration, cloud deployment, and delivering captivating user experiences.

### VOLUNTEER

- **Tech Content Creator, TechMpigo** *July 2023 - Present*
  - ❖ Actively contribute as an Educational Tech Content Creator for Techmpigo, producing weekly educational content catering to a user base of approximately 360+ individuals. Develop engaging materials aimed at enhancing understanding and knowledge in technology-related topics.