

# Francis Elroi, Full Stack Developer

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## Experience

### Biosec Solutions

Senior Enterprise Developer

Onsite, Nigeria

Sept. 2022 – Present

- Coordinated a team of 4 in developing, integrating and maintaining multiple demographics and biometrics identity systems across our product stack in collaboration with multiple departments across multiple companies (Idemia, Neurotech, NIMC).
  - Summarized appropriate biometric technologies and algorithms, considering security and privacy concerns, and integrating the system with existing enterprise infrastructure.
  - Implemented innovative biometric capture design, resulting in a 30% Increase in biometric authentication
  - Optimized biometric algorithms for identification and verification. This involved working with machine learning and computer vision techniques to improve the accuracy and performance of biometric systems.
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### Pixel Plus

Full Stack Developer

Remote, Switzerland

Apr. 2022 – Aug 2022

- Developed UI/UX designs that includes creating responsive layouts, handling user interactions, and integrating with back-end APIs.
  - Programmed RESTful APIs to support various platform functionalities, such as user registration, job posting, search filters, and application submission.
  - Developed database schema to store user profiles, job listings, and other relevant data.
  - Maintained database queries, API response times, and front-end rendering, to enhance the platform's speed and efficiency.
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### Fiatswap

Full Stack Developer

Remote, Nigeria

Jan. 2021 – Feb. 2022

- Streamlined secure user authentication and authorization mechanisms, ensuring data privacy and protecting against common web vulnerabilities such as cross-site scripting (XSS) and SQL injection.
  - Collaborated with other developers in developing a seamless solution to send and receive money across multiple currencies.
  - Developed deployment pipelines for continuous integration and continuous deployment (CI/CD) processes.
  - Translated figma designs into visually appealing responsive user friendly solutions, effectively communicating brand values and messages.
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### PAT Ride

Full Stack Developer

Remote, Nigeria

Aug. 2018 – Dec. 2020

- Implementing screens and navigation for features such as ride requests, user profiles, and ride tracking.
- Developed algorithms to match riders with suitable drivers based on factors like location, destination, availability, and preferences.
- Optimized fare calculation and Integrated payment gateways to facilitate secure payment transactions between riders and drivers.
- Developed well structured of GraphQL APIs that provide multiple platform services to end users

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## MgB Computers

### Developer Intern

Onsite, Nigeria

Sept. 2013 – Apr. 2015

- Assigned the responsibility for system architecture, usability, accessibility, performance optimization and maintenance in collaboration with senior engineers.
  - Assembled platform environment control interface (PECI) that provides a communication channel to external monitoring and control devices utilizing Websockets.
  - Integrating the ERP application with other systems, such as accounting software, customer relationship management (CRM) tools, inventory management systems, and payment gateways.
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## Education

### Bachelor of Information Technology.

Middlesex University, Dubai.

2015 - 2018

## Technical Skills

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Java, Python, Javascript, Typescript, HTML, CSS, Tailwind, Nextjs, Vuejs, Reactjs, React Native, Flutter, Nodejs, Lamda, PHP, Sprint boot, Django, GraphQL, mySql, Postgresql, MongoDB, OracleDB, Firebase, Redis, Memcached, Github, Mocha, Chai, Heroku, Netlify, Laravel, AWS, websocket, RabbitMq, Affinity, Figma

## LANGUAGES

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English, French