

OPEOLUWA RICHARD AKINOLA

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Skills

- Python | JavaScript | React | Java | MySQL | Angular | Jenkins | Horizon
- GIT | CI/CD | Rest API | Frontend | Backend | Networking | Unit Testing | Full-Stack | Agile

Experience

Software Engineer **Bank of America Merrill Lynch** **July 2023 – Present**

Full-Stack Development

- Developed and maintained **full-stack Angular** applications using **AngularJS** and **JavaScript** for the **backend**.
- Designed and optimized data models for **Sandra DB** (Bank-specific database), ensuring efficient data retrieval and seamless integration into application designs.
- Collaborated with **business analysts** and cross-functional teams to gather requirements, provide feedback and define timelines.
- Worked in an **Agile environment**, actively participating in **sprints**, daily stand-ups, and iterative development cycles.

QzTask (Internal Tool)

- Developed an internal **client-side web application** to assist the operations team in performing root-cause analysis on Non-STP (Straight-To-Production) trade confirmations.
- Created and Implemented User Actions Logs (Workdrivers) to track and monitor user activity across the application. which were displayed on the application's dashboard, providing stakeholders with actionable insights and enhancing transparency and accountability.
- Architected modular and scalable object-oriented **data models** to ensure seamless integration across multiple applications during migrations and data access.
- Implemented **REST Api's**, **Python**, and **JavaScript** to facilitate data retrieval and transmission between microservices and the database. This optimized system performance and ensured smooth data flow, enabling real-time updates and interactions across the platform.
- Resolved critical production issues by designing and implementing **innovative and efficient solutions**. These efforts significantly reduced resolution times minimized downtime and improved overall system reliability and user satisfaction.

End-to-End Product Development

- Led the development of multiple **end-to-end products**, aligning project requirements with business objectives and user needs.
- Designed, developed, and deployed **Angular** applications from scratch, overseeing the full development lifecycle, from requirement gathering to testing and deployment.
- Developed custom **middleware** solutions using **Python** and **Angular**, optimizing trade confirmations workflows and improving operational **efficiency by 15%**, supporting thousands of daily trading and pension requests.
- Integrated **RESTful APIs** and third-party services to enhance application functionality and user experience.
- Managed **Continuous Integration/Deployment (CI/CD)** pipelines, automating builds, **testing**, code reviews, and **pull requests**.
- Conducted **code reviews** and **mentored intern** developers, promoting best practices in **full-stack** and **Angular** development.

- Designed and developed automation solutions using tools like **Ansible, Python**, and **CI/CD** pipelines to streamline test workflows, hardware setup, and software deployment, ensuring scalability and efficiency.
- Diagnose and resolve motherboard hardware/ software issues on test platforms, including pre-production systems, while optimising, toolchains, libraries, and dependencies for seamless performance.
- Troubleshooting software configuration problems, ensuring toolchains, libraries, and dependencies are correctly installed and optimized.
- Developed and launched an inventory management website using **React Native, JavaScript HTML** and **CSS** that helps lab users track and display information about products available in the lab. The platform allows users to register and add new products, including their specific locations, ensuring efficient organization and accessibility.
- Collaborated with the core development team, to identify and address bottlenecks or compatibility issues between hardware and software.

Education**ME Engineering with Business****University College Dublin****2021-2023****BSc Electronics and Electrical Engineering University College Dublin****2018-2021**