

RICHIE MOLUNO

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EDUCATION

University of Benin, Edo state, Nigeria

Programme: Bachelor of Engineering, Mechanical Engineering.

Academic Standing: Second Class Upper (4.07/5.0).

Dissertation: Design and Installation of Capacity Limiting RFID access control system.

Relevant Courses: Engineering systems and dynamics, **Engineering Design, Engineering Mathematics (Calculus, Numeric Analysis, Computational methods and Non-linear systems, Matrices and Vectors, Linear Programming)**, Control systems and dynamics, **Computer Aided Design**.

SKILLS AND INTEREST

Programming Languages/ Technologies:**Typescript**, JavaScript, Kafka, **Google Cloud Platform, Redis**, HTML and CSS.

Frameworks/Libraries: **NodeJS, ExpressJS, Mocha** and **Chai**, MongoDB, ReactJS, **PostgreSQL**,

Developer tools: **Git, GitHub**.

WORK EXPERIENCE

Backend developer, [Open Science, Saudi Arabia](#) October 2022 till date.

- **Co-ordinated open source** contributions remotely for the development of backend API for an online educational platform improving effective collaboration among peers by 20%.
- Implemented **automated unit tests** for **test-driven development** resulting in 80% reduced cases of reported API bugs.
- Created comprehensive **technical documentation** to provide clear instructions and guidance for developers and team members

Software development lead (contract) - [Blue Marvel Capital](#), United Kingdom Jan, 2024

- Led cross-functional teams in designing, developing, and deploying robust backend APIs across multiple projects.
- Managed projects from ideation to deployment, ensuring alignment with business objectives and stakeholder expectations.
- Collaborated effectively with stakeholders to deliver projects on time and within scope.

Backend Developer (contract) - [Veridux](#), Ikeja, Lagos state. July, 2023 - March 2024.

- Collaborated with a cross functional team to design and implement **backend APIs** for financial services allowing customers to pay their daily bills.
- Integrated 3rd party APIs as payment gateways to process cross border payments resulting in 35% increased reach to other regions.
- Utilized **containerization tools like Docker** to build microservices, enabling efficient deployment, **scalability**, and easy management of applications.

Frontend Developer (contract) - [BlkAt.io](#), Michigan, United States Jan, 2024 - March 2024.

- Spearheaded frontend development initiatives for BlkAt.io, a platform aimed at revolutionizing connections among Black executives and agencies.
- Collaborated closely with the development team to implement cutting-edge frontend features and enhancements, resulting in a 15% increase in user engagement metrics..

OPEN SOURCE PROJECTS / CONTRIBUTIONS

The Turing Way - **Alan Turing Institute UK** | [Github](#)

- Developed programs to **automate** attribution of contributors from the Crowdin project to Project organization, ensuring proper recognition and transparency for all contributors.
- Contributed to an open-source guide for reproducible data science, aimed at optimizing research practices and optimized the reproducibility of data-driven research.
- **Collaborated remotely** with a team of contributors to enhance localization and translation efforts for the guide, resulting in 35% enhanced accessibility to a broader community of users.

Open Innovation Lab | [Github](#) | [Live site](#)

- Collaborated with a **diverse team of developers** to design and implement backend API functionalities that enabled seamless access and delivery of educational content.
- Conducted frequent **code reviews** to ensure code quality and adherence to best practices.
- Utilized Cloud technologies like **Google Cloud Platform (GCP)** to host the platform decreasing latency by 50%

JSquarto | [Github](#) | [Doc](#)

- Designed and developed a tool to generate Javascript code documentation reference using resulting in 50% improved flexibility in documenting Javascript and Typescript code.
- Integrated services to implement localization and translation efforts to the generated doc thus improving accessibility across over 8 languages around the world.

VOLUNTEERING ACTIVITIES

- **Volunteered** for Google Developer Group, and publicized the program resulting in a 25% increase in turnout. June, 2022.
- **Coordinated** an immunization program for over 300 children resulting in a 60% decline in reported cases. May, 2019.