

RICHIE MOLUNO

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EDUCATION

University of Benin, Edo state, Nigeria December, 2022.

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: **Python, Typescript, JavaScript, Google Cloud Platform, Docker, Redis**, HTML and CSS.
Frameworks/Libraries: **NodeJS, ExpressJS, MongoDB, PostgreSQL, Mocha and Chai.**
Developer tools: Git, GitHub.

PROJECTS

- Open Innovation Lab** *(in development)* | [Github](#) | [API doc](#) | [Live site](#) December, 2022.
- Collaborated with an agile team to develop the API for the Open source project which led to 20% increase in accessibility.
 - Utilized **Google Cloud Platform (GCP)** technologies, including Compute Engine to host the platform decreasing latency by 50%.
 - Designed **unit and integrated tests** for the API, ensuring quality assurance for the platform and leading to 40% reduced bugs.
 - Managed **CI/CD** processes using GitHub Actions to **automate tests** before **deployment** resulting in the reduced production errors by 70%
- Ride-hailing API** *(in development)* | [Github](#) | [API doc](#) March, 2022.
- Developed a RESTful API for critical authentication processes for backend web applications, enabling secure and reliable communication between client and server.
 - Implemented industry-standard security protocols, including OAuth2 and JWT, to ensure data privacy and protection.
 - Utilized a modular architecture and followed best practices to achieve high code quality and maintainability.
- Byinks Marketing Communications** | Digital Marketing | [Project link](#) August, 2022.
- Managed** a cross-functional team of 3 to deploy a fully responsive digital marketing web page design.
 - Optimized contact forms and newsletters resulting in a 16% increase in user clicks and 35% in company sales.
 - Pushed domain configuration and web hosting improving website accessibility by 60%

WORK EXPERIENCE

- Software Engineer** *(contract)* - [Dixtrit Media](#) Ikeja, Lagos state. February, 2023 - March 2023.
- Conducted frequent code reviews to identify and address performance bottlenecks, resulting in 20% higher server speed.
 - Implemented **security measures to protect infrastructure** and data, resulting in zero security breaches over time.
 - Continuously optimized and **scaled infrastructure** to accommodate increasing traffic and demand, resulting in a 40% increase in website performance.
 - Automated tests** using **CI/CD** processes before deployment resulting in reduced production errors.
- Open source contributor** - [The Turing Way](#) | [Github](#) February, 2023 to date.
- Contributed to an open-source guide for reproducible data science, aimed at optimizing research practices and optimized the reproducibility of data-driven research.
 - Collaborated 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.
- Back-end Engineer - Boayant**, Ikeja, Lagos state. August, 2022 - 2023.
- Automated unit tests for hosted applications and APIs resulting in 40% better code quality and easy integration.
 - Worked closely with the product and design team to understand end-user requirements better, resulting in 10% improved end-user experience.
- Intern - Outreachy - Open Science community**, Saudi Arabia October 2022, - March 2023.
- Co-ordinated open source** contributions 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.
 - Deployed and maintained backend APIs for testing using **cloud services**, resulting in 40% decreased latency.

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.

ACHIEVEMENTS AND AWARDS

- Awarded Google Africa Developer Scholarship. June, 2022.