

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 (4.17/5.0).
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**, 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](#)

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 tests** for the API, ensuring quality assurance for the platform and leading to 40% reduced bugs.
 - Executed CI/CD using GitHub Actions to automate unit tests before deployment resulting in reduction of 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 to date.

 - Conducted frequent code reviews to identify and address performance bottlenecks, resulting in 20% higher server speed.
 - Developed user-friendly backend systems for all front-end applications, improving the functionality and resulting in a 20% increased user experience.
- 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 to date.

 - 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.