RICHIE MOLUNO

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EDUCATION

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

Programme: Bachelor of Engineering, Mechanical Engineering.
Academic Standing: Second Class Upper (4.17/5.0).
Dissertation: Design and Implementation 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, JavaScript**, **Google Cloud Platform,** HTML and CSS.
Frameworks/Libraries: **NodeJS, ExpressJS, MongoDB, PostgreSQL, Mocha and Chai**
Developer tools: Git, GitHub.

PROJECTS

Open Innovation Lab *(in progress)* | Github | December, 2022.
- Collaborated with an agile team to develop the API for the Open source project, improving accessibility
- Utilized **Google Cloud Platform (GCP)** technologies, including Compute Engine to develop and deploy the platform.
- Designed **unit tests** for the API, ensuring quality assurance for the platform.
- Implemented CI/CD using GitHub Actions to automate unit tests before deployment, ensuring **continuous integration and deploymen**t of the platform.

The Turing Way *(contributor)* | Github | Project link
- Contributed to an open-source guide for reproducible data science, aimed at improving research practices and enhancing the reproducibility of data-driven research
- Collaborated with a team of contributors to improve localization and translation efforts for the guide, making it more accessible to a broader community of users.
- Worked on fixing the documentation of the project, ensuring clear and concise explanations of the guide's features and functionality.

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.
- Implemented domain configuration and web hosting improving website reach

Authentication API | Github   October 2022.
- Designed and deployed RESTful API for critical authentication processes for backend web apps
- Applied proper program structure and best practices, resulting in 50% improved code modularity for other projects

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WORK EXPERIENCE

Back-end Engineer - Boayant, Ikeja, Lagos state.   August 2022 to date.
- Regularly inspected server code resulting in improved speed optimization.
- Performed thorough automated unit tests for deployed applications and APIs resulting in improved code quality and easy integration
- Collaborated closely with the product and design team to understand end-user requirements better, resulting in improved end-user experience.
- Implemented backend usability of all front side application

Software Engineer *(contract)* - Dixtrit Media**,** Ikeja, Lagos state.   February 2022 to date.
- Conducted frequent code reviews to identify and address performance bottlenecks, resulting in significant improvements in server speed optimization.
- Developed and implemented user-friendly backend systems for all front-end applications, ensuring seamless functionality and optimal 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
- Implemented automated unit tests for test-driven development resulting in reduced cases of reported API vulnerabilities.
- Deployed and maintained backend APIs for testing using **cloud** services

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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.