RICHIE MOLUNO

Website: realrichi3.github.io | **Linkedin:** Richie Moluno | **Email:** molunorichie@gmail.com
Blog: medium.com/@molunorichie, dev.to/realrichi3 | **Phone:** +2349038563916

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, MySQL, ReactJS, 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%
- Implemented **bilingual support using external APIs**, resulting in 50% improved accessibility to Arabic speaking countries

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.

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 - May, 2023.
- 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.

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.