QOWIYYU OLAMILEKAN ADELAJA

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SUMMARY

Qowiyyu is an HNG alumnus and a fast-growing software engineer with a keen interest in building high-performance systems that deliver measurable business value.

He is skilled in Python and C++ and has worked with FastAPI, Redis-for quick data retrieval, Celery-for background task processing and New Relic-for application monitoring and performance tracking.

Qowiyyu demonstrated his drive for efficiency on a team project by reducing database query latency from 500ms to 30ms -solved an N+1 query performance issue.

During his college days, Qowiyyu launched a low-impact hack on the dinner night voting website and he is currently seeking to join a hardcore engineering team where he can take on hard problems, learn and contribute to building secure, scalable, and highly available software.

EDUCATION

University of Lagos (UNILAG)   **Dec. 2017 - Aug. 2024**
Bachelor of Science in Electrical and Electronics Engineering   **CGPA: 4.11/5.00**

EXPERIENCE

Ubuntu Farms   **Remote**
Lead Backend Engineer (Contract)   **Nov. 2024 – Mar. 2025**

- Architected and implemented an e-commerce system that served ten thousand users.
- Organized peer pull request review to ensure code quality in production.
- Wrote API documentation.
- Ensured the use of security practices, including JWT - for authentication and authorization and hashing- for data encryption.
- Integrated New Relic to monitor and improve the application performance.

Qudra   **Remote**
Backend Engineer (Contract)   **Sept. 2024 – Nov. 2024**

- Architected and implemented a portal for standard exams (WAEC, JAMB, IELTS and TOEFL) mock practice.
- Reduced database queries from 500ms to 30ms, resulting in a better user experience and user retention.
- Developed APIs that integrated with AI models to convert PDF to audio and audio to PDF format. Increased customer satisfaction by 60%.
- Developed user performance and engagement tracker, which resulted in better exam practice suggestions and 80% user retention.

Graphite   **Remote**
Backend and Embedded Engineer (Contract)   **Jun. 2024 – Aug. 2024**

- Designed and developed backend systems that enabled the over-the-air purchase of electricity. Reducing purchase time by 70%.
- Enhanced customer satisfaction by 60% by developing a real-time energy consumption data tracker.
- Built a secure endpoint for remote control of electrical appliances via the internet.

HNG (Hotels.ng)   **Remote**
Web Crawler Developer (Contract)   **Mar. 2024 – Apr. 2024**

- Built a web crawler that automatically websites. Improved response time by 40%.

HNG (Hotels.ng)   **Remote**
Backend Intern (Contract)   **Mar. 2023 – Sept. 2023**

- Migrated data from an old SQL-based database to an API-based database, maintaining SEO rankings with a 97% success rate.
- Developed the backend for a video recording and sharing tool.
- Designed a video recording and sharing tool and improved its performance by 80% using background task processing and streaming techniques.
- Developed a web scraper and data pipeline for carsng Improved the product base of the business by 40%.

SKILLS

Technologies: FastAPI, Git, PostgreSQL, MySQL, Redis, Celery, Docker, Alembic, ORM (SQLAlchemy)
Sentry, New Relic, Selenium, Beautiful Soup

Languages: C++, Python, HTML, CSS and Arduino C

PERSONAL PROJECTS AND ACHIEVEMENTS

Faculty Dinner Voting Site Hack   Aug. 2024

- Reverse-engineered and developed a script using proxies to bypass the site's IP rate limiting and voted multiple times.
- Submitted a patch to prevent bot voting.

Plagiarism Checker   July. 2024

- Developed software - an extended version of MOSS software from Stanford University— using the winnowing algorithm to flag documents and code for plagiarism.

EXTRA-CURRICULAR ACTIVITIES

IEEE (Institute of Electrical and Electronic Engineers)   Unilag, Nigeria
Student Branch Chair   Jan. 2021 - Dec. 2023

- Led a team of twenty students that created Devsprint-the first and only national data structures and algorithm competition-that hosted about 160 participants. Now featured on national technology news (Techcabal)
- Second runner-up of 2023 Region 8 ASYPC (African Students and Young Professionals Congress) technical project contest.
- Managed a team of thirty students that founded Sicon; an annual software and hardware project showcase that hosted 100 students.
- Won the IEEE Region 8 2023 grant for a collaborative technical project.
- Produced the first-time winner of IEEE REM (Richard Merwin Scholar) at my university.