John Owolabi Idogun

github.com/sirneij
Jacksonville, FL (Open to Relocation or Remote, No visa sponsorship needed)

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PROFESSIONAL SUMMARY

Software Engineer with 4+ years of experience, including FinTech, freelancing, and research. Skilled in building scalable, secure systems using Python, C++, C#, Java, JavaScript, Go, and Rust. Proven success in automating processes, enhancing user experiences, and integrating innovative solutions.

KEY SKILLS

- **Programming**: Python (Django, Flask & FastAPI), Rust (Axum & Actix-web), Golang, Java, C# (.NET), JavaScript & TypeScript (ExpressJS, Svelte & React)

- **Databases**: PostgreSQL, MySQL, MongoDB, CoackroachDB, Neo4j, DuckDB

- **Other Skills**: Git, ORM, Docker, AWS, GCP, Digital Ocean, MarkDown, SvelteJS, ReactJS, MVC, REST APIs, HTMX

PROFESSIONAL EXPERIENCE

Arve Limited (QuickCheck)   Lagos, Nigeria
Software Engineer   Oct. 2021 - Oct. 2023
Arve Limited is a leading provider of financial services for individuals and small businesses in Nigeria through its online lending platform.

- **Payment Integrations**: Streamlined payment operations by seamlessly integrating payment gateways like Monnify and Paystack to handle over **500K daily transactions**.
- **Loan Investigation**: Created an automated loan investigation system, reducing manual processing time by **50%** and improving issue accuracy.
- **Loan Recovery**: Integrated multiple agencies for loan recovery, automating updates to Google Sheets, reducing labour by **40%**, and ensuring accurate commission payments.
- **User Credit Levels**: Automated customer credit level upgrades, reducing errors by **70%** and improving user experience.
- **Dynamic Django Global Settings**: Implemented a dynamic settings modification system, reducing server downtime by **20%** without restarts.
- **Technologies**: Python 3 (Django & Django REST Framework, MyPy), PostgreSQL, Pytest, Celery, JavaScript (jQuery & Ajax, ReactNative), C# (.NET), Docker, Linux (Ubuntu), Git (GitLab), Trello.

ipNX Nigeria Limited   Lagos, Nigeria
Research & Systems Architecture Intern   Aug. 2019 - Jan. 2020
ipNX is an ICT company providing corporate and residential customers with network connectivity, internet, telephony, TV, and cloud-based services.

- **Internet Subscription Management**: Engineered an internet subscription management system featuring **real-time data visualization** using Chart.js and JavaScript along with Python, elevating subscription tracking and data accuracy by **25%**.
- **Documentation Portal**: Created a documentation system with threaded commenting, full-text search, and CRUD functionalities, enhancing documentation accessibility and collaboration by **30%**.
- **Technologies**: Python (Django and Flask), JavaScript, C# (.NET), Linux (Ubuntu), Git(GitHub)

ADDITIONAL EXPERIENCE

Stony Brook University   Stony Brook, New York, United States
Graduate Teaching & Research Assistant   Aug. 2023 - Present
New York State flagship University.

- **Database Design and Practice (ISE305)**: Enhanced students' comprehension of **database design principles** and resolved SQL-based inquiries to elevate performance.
- **Research**: Achieved enhanced data accuracy by streamlining the performance analysis in logic and database systems to eradicate manual processes using Python for automated analysis.
- **2D Game Programming (CSE 380) & Software Engineering (CSE 416)**: Played a pivotal role in spearheading student projects dedicated to automating healthcare processes, resulting in a remarkable 50% decrease in processing time by leveraging MERN stack technologies.
- **Computer Systems Fundamentals I (CSE 220)**: Designed and administered test cases, supervised exams, and assessed assignments using Excel and Learning Management System (LMS) software to enhance operational efficiency by 20%.

DEV Community   Online
Volunteer Technical Writer and Trusted Member   June 2021 - Present
DEV is a community of software developers getting together to help one another out.

- **Technical Writer**: Drove a significant increase in engagement and readership through over **60 top-tier technical content** focusing on Software Engineering challenges, utilizing Python, Rust, Go, C# (.NET), and JavaScript/TypeScript.
- **GitHub + DEV 2023 Hackathon Runner-Up**: Secured the runner-up position in GitHub + DEV 2023 Hackathon by authoring articles on enriching GitHub actions with an efficient, secure, and dependable session-based authentication system orchestrated with Django and SvelteKit, commended by participants for its innovation.
- **Trusted Member**: Fostered positive interactions and maintained community guidelines on DEV Community by managing inappropriate content discussions as a Trusted Member, using adherence tools from the Trusted Member panel, and overseeing 500+ interactions.

EDUCATION

Federal University of Technology   Akure, Nigeria
Bachelor of Engineering in Computer Engineering; CGPA: 3.72 (4.65/5.0)   *Nov. 2015 – Oct. 2021*
The Federal University of Technology, Akure is the top public university in Nigeria.

- **Minor**: Electrical and Electronics Engineering.
- **Award**: Best graduating Computer Engineering student. **Top 1% of the class**.
- **Thesis**: Web-based collection, visualization, and analysis of crowd-sourced energy data from commercial and residential buildings.