Saviour Akalia

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https://github.com/SAVAGEAKALIA

Results-Oriented Software Engineer

Results-oriented Software Engineer with over 2 years of experience in designing, developing, and deploying scalable software solutions. Proficient in full-stack development, system optimization, and DevOps practices. Adept at agile methodologies and using modern technologies while collaborating with cross-functional teams to achieve high-quality, maintainable solutions.

SKILLS

Programming & Development: C, Django, Express.js, Fastapi, Flask, JavaScript, Node.js, Python

Data & Automation: A.I, Data Integration Pipelines, Data Structures & Algorithms, Object-Oriented Programming (OOP), RESTful API Development, Test-Driven Development

DevOps & System Optimization: CI/CD Pipelines, Code Reviews, Debugging, Docker, Server Configuration, Unix System Programming

Web & Cloud Technologies: AWS, Bootstrap, CSS, HTML, JSON, MongoDB, MySQL, React, Tailwind CSS

Collaboration Tools: Airtable, Asana, Github, Jira, Notion, Slack, Teams, Trello

Soft Skills: Adaptability, Communication, Problem-Solving, Teamwork and Collaboration, Time Management

WORK EXPERIENCE

UPWORK   Remote • May 2020 - Present

Freelance Technical Support & Automation Specialist

- Provided technical support for software products, troubleshooting issues and ensuring seamless user experiences using tools such as Trello, Zendesk, and Discord.
- Implemented AI-driven automated responses to reduce resolution times and enhance system reliability.
- Worked closely with the HR and Marketing departments to schedule meetings, organize appointments and meet sales targets.
- Analyzed client support data to identify recurring issues, collaborating with product teams to drive improvements in product reliability and maintainability.

ALX Africa   Lagos • Dec 2023 - Jan 2025

Software Engineer Intern (Full Stack)

- Applied full-stack development and system design expertise to architect, debug, and deliver robust software solutions
- Designed and implemented a custom `printf` function in C, utilizing advanced memory management techniques for efficient output formatting, enhancing memory efficiency by 30%.
- Built a Unix-based shell in C, optimizing command execution efficiency by 40%.
- Developed a robust RESTful API in Python using Django, integrating CRUD operations, user authentication, and JSON data serialization.
- Designed a Python-based web scraper to collect and structure dynamic data.
- Created a File Manager API using Node.js and Express.js, with features like authentication, file/folder management, and background task processing.
- Led code reviews to maintain high-quality, maintainable code standards, emphasizing collaborative debugging and optimization.

State Aids and STI Control Program (SASCP)

Anambra • Oct 2023 - Oct 2024

Junior Monitoring and Evaluation Specialist

- Developed and implemented digital monitoring frameworks using data analytics to track project performance and streamline reporting processes.
- Collaborated with cross-functional teams to integrate technology solutions that enhanced data accuracy and transparency.
- Provided technical support and actionable insights to project staff to drive strategic decisions.
- Refining project oversight, data analysis, and performance assessment.

Independent National Electoral Commission (INEC)

Anambra • Oct 2021 - Nov 2021

INEC Adhoc Staff

- Collaborated within a large governmental organization to implement and manage electronic voter verification devices, ensuring data integrity and process accuracy.
- Provided technical guidance on the use of INEC card readers, ensuring data accuracy and secure authentication processes.
- Collaborated with diverse, cross-functional teams to ensure high-quality service and effective deployment of technical enhancements.

EDUCATION

Bachelor of Science (B.Sc.) in Biochemistry

Nnamdi Azikiwe University

Awka, Nigeria • Sep 2017 - Dec 2021

CERTIFICATIONS

ALX Software Engineer

Dec 2023 - Jan 2025

ALX Africa

Digital Marketing

Apr 2021 - Sep 2021

Digital Marketing Institute (DTREUSLVJQAD)

Standard English/Western Certification

Apr 2021 - Sep 2021

Georgia Institute of Technology (KWJ38AMZ6ECQ)

PROJECTS

Custom Printf Function

High-performance implementation in C with customizable formatting; improved processing overhead by 30%.

Shell Development

Built a C-based shell capable of parsing and executing basic Unix commands, managing processes, and handling I/O redirection.

Airbnb Clone (Flask)

Developed a full-stack application featuring CRUD operations, secure authentication, and seamless data handling using Flask and REST frameworks.

Web Scraping Tool

Designed a Python-powered web scraper, employing Regex for data extraction and JSON for structured data storage, enabling dynamic data analysis.

File Manager API

Node.js-based file management with Express.js, MongoDB, Redis featuring authentication, file/folder management, and background task processing.