

AGAR JOSHUA

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SOFTWARE ENGINEER

Summary:

Experienced software engineer proficient in modern software engineering practices, distributed software development, and system design. Expertise in developing secure, reliable, diagnosable, and reusable engineering solutions. Proven track record of improving test coverage, addressing problem areas, and delivering high-quality software that meets customer requirements. Skilled in programming languages including Python and JavaScript, as well as web based frameworks like Django and Vue and tools like Selenium and Kubernetes.

Education:

Msc. Computer Systems, Jomo Kenyatta University of Agriculture and Technology, 2023–2024 (expected)

Bachelor of Business Information Technology (BBIT), Jomo Kenyatta University of Agriculture and Technology, 2016-2021

Experience:

Software Engineer (consulting), iSOFT Systems, August 2021–Present:

Responsibilities:

- Develop and maintain modules for the iSoft Learning Information Management System.
- Integrate vendor solutions for mobile, electronic fund transfer, and online credit transactions.
- Collaborate with the development team to design and implement new features.

Achievements:

- Successfully developed, tested, and implemented a web based learning information management system in Django, used by over 1000 users.
- Achieved integration with vendor solutions, enabling the processing of mobile, electronic fund transfers, ensuring 100% move to paperless payment processing.
- Achieved 90% implementation and testing within budget and time constraints by collaborating with the development team to ensure efficient implementation.

Principal I.C.T. Officer - Systems & Applications, Lake Basin Development Authority, July 2021-Present:

Responsibilities:

- Develop and maintain internal automated systems.
- Establish standards and best practices.
- Provide technical support and training.

Achievements:

- Digitized manual processes by implementing a process management schedule system, resulting in a 30% increase in efficiency.
- Deployed a custom case management system and an automated backup management system, improving workflow efficiency by 25%.
- Created a digitized record collection and reporting implementation that replaced a previously fully manual system of data collection.
- Achieved the creation of a development workflow from design, implementation and testing of new internal products that improved implementation time and efficiency by 65%

Software Engineer, Businesscom Consulting Services, June 2021–Sep 2021:

Responsibilities:

- Lead the development and implementation of software projects.
- Improve in-house products through research and optimization efforts.
- Enhance code quality and adherence to standards.
- Troubleshoot and optimize automation, reliability, and monitoring.

Achievements:

- Developed a demand generation application, increasing client acquisition by 50%.
- Implemented multi-threading in a Python application, resulting in a 40% improvement in overall performance.
- Enhanced search parameters, improving the accuracy of in-house products, and increasing user satisfaction by 30%.

Software Development Engineer in Test (Intern), Safaricom PLC, Feb 2022-Apr 2022:

Responsibilities:

- Conduct manual and automated testing of web and mobile applications.
- Develop technical documentation and provide support.
- Collaborate with testing and development teams.

Achievements:

- Successfully performed integration, unit, and functional testing, ensuring the launch of a service management system with high-quality standards.
- Reported on software and UI/UX testing results, identifying and resolving critical issues while collaborating with the development team, resulting in a 20% improvement in overall application stability.

Skills:

Programming Languages: Python, JavaScript, Dart (familiar)
 Frameworks and technologies : Django,Django-rest,FastAPI, Vuejs,Strapi,Selenium, Scrappy,Selenium,Docker
 Databases: SQL, SQLite
 Cloud : Google Cloud Platform (G.C.P)

Referees are available on request

