JOHN KAMAU

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Summary

- 5+ years of developing products and taking part in all major aspects of the software development lifecycle; From requirements gathering to production releases
- Certified Azure Developer who can design and implement technical cloud solutions that scale with ease
- Proven ability to leverage software engineering knowledge and experience to build scalable and user-centered systems

Links

Github

LinkedIn

Skills

C#, .NET Core, Azure, SQL, ASP.NET, Azure Service Bus, Git, LINQ, Golang

Experience

Senior Software Engineer | 08/2023 - Present | EQUITY BANK LIMITED | Nairobi

In this role within the financial sector, I have been instrumental in the development and enhancement of Equity Business products, with a primary focus on the backend. In this role, I've made significant contributions to our technology stack and played a pivotal role in several key achievements:

- Product expansion: I was a critical member of the technical team in charge of developing and launching of Equity Business products in three new countries, expanding our global presence and revenue potential
- Identity and Access Management: Architected and developed a robust authentication and authorization system from the ground up, enhancing security and user experience with features like multi-tencancy, multi-factor authentication, encryption, and access control measures. The system supports agency, biller, and merchant banking.
- Scalable Financial Transactions Processing: Engineered backend optimizations to facilitate processing of over 2 million transactions daily, implementing strategies such as database indexing, caching, and load balancing for improved system performance.
- Cross-Functional Collaboration: Collaborated closely with product managers, frontend developers, and cyber security engineers to ensure a seamless end-to-end user experience, fostering a culture of teamwork and knowledge sharing.
- Code Quality and Mentorship: Conducted regular code reviews and provided guidance to other engineers, promoting code quality and knowledge transfer within the team.

Skills: C#, Azure Service Bus, RabbitMQ, Git, LINQ, MS-SQL

Software Engineer | 02/2020 - 08/2023 | Fitts UK Ltd | Nairobi, Nairobi

In this role, I built robust and secure backend systems powered by .NET Core, with a focus on scalability and performance. Some of my achievements include:

- Developed and deployed a real-time translation system for communication apps like Teams and Zoom, utilizing Natural Language Processing (NLP) via Azure Cognitive Services, enhancing cross-language communication efficiency. It supports translation of over 100 languages and is used by 1000s of users
- Developed the backend of a Health and Justice (H&J) Case Management System that integrates with the NHS, featuring patient scheduling, visit management, and medication dosage administration for people in police custody.
- Implemented a data warehouse solution processing approximately 2GB daily, utilizing Microsoft Azure Data Factory and Azure Synapse, ensuring robust data handling and analytics capabilities.

- Spearheaded the development and implementation of Takaniimali, an innovative product in the environment conservation sector, enabling payments via M-Pesa for both B2C and B2B transactions for garbage collection services
- Automated CI/CD processes using Azure DevOps and Github Workflows, reducing deployment times by 40%
- Designed and architected scalable, distributed systems, achieving a 30% reduction in system latency, resulting in improved customer satisfaction.
- Leveraged the benefits of cloud architecture to create cloud native solutions that scale with ease
- Enabled the roll-out of services and products to customers by developing RESTful APIs and integrating them with 3rd party services
- Documented technical workflows and knowledge to educate newly hired employees

Skills: C#, .NET Core, React/Typescript, Azure Functions, Azure Cloud, Azure Data Factory

Junior Software Engineer | 03/2019 - 10/2019 | Andela | Nairobi, Nairobi

- Developed and implemented new features and functions in existing software applications
- Worked with developers to identify and remove software bugs.
- Wrote clear, clean, and well-tested code
- Analyzed source code to identify functionality and performance issues.

Skills: Git, Python, React/Typescript

Education

Bachelors, Mechanical Engineering | The Technical University of Kenya | Nairobi

Software Development Bootcamp | Andela | Nairobi