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NELSON

## CONTACT

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## PROFESSIONAL SUMMARY

I am software engineer passionate about developing customer-oriented products that seeks to solve day to day business challenges. I derive my motivation from the need to deliver quality results merged with a high degree of creativity. This is coupled with the ability to communicate efficiently to ensure good team working environment that thrives in a challenging environment and ready to meet customer needs notwithstanding the constraints.

## SKILLS

- Microservices
- Linux and Scripting
- Communication & Message brokers
- Containerization & container orchestration
- APIGateways & Load balancing
- Remote Procedure Calls(RPC)

## EXPERIENCE

### SOFTWARE ENGINEER Jan 2023 - Dec 2023

*Machini Technologies, Nairobi, Kenya*

- Designed and launched accounting software, optimizing financial management, improving invoicing, reducing bad debt, and driving 40% average business growth across 100 client companies.
- Collaborated with cross-functional teams to migrate her Enterprise Resource Planning(ERP) product offering from a monolith to decoupled microservices running on Docker containers. This improved maintainability and scalability by over 50%.
- Wrote CI&CD workflows with GitHub Actions to publish our images to the private docker registry and container orchestration configurations for Kubernetes Engine and ISTIO to the 4 deployment pipelines (Development environment through Production).

### SOFTWARE DEVELOPER Jan 2022 - Dec 2022

*Osborn Smith, UK, London*

- Created python scripts and macros for database queries as well as maintenance of the server.
- Collaborated on stages of systems development lifecycle from requirement gathering to production releases.
- Planned and developed interfaces that simplified overall management and offered ease of use. Designed intuitive graphical user interfaces using knowledge of serial communications and database design to improve user experience
- Championed productivity strategies like product ownership in my team and introduced Kaizen philosophy that improved software quality, collaboration and reduced time to ship by over 40%.
- Formulated SOPs to streamline software development in accounting and the larger organization.
- Designed our internal API-KEY system for server to server communication.
- Designed the Product licensing system for product tracking, quota management, usage compliance and more that reduced license violation increasing our revenues by over 55%.

## EDUCATION

### BACHELOR OF SCIENCE- INFORMATION TECHNOLOGY Jun 2020

*Muran'ga University of Technology(MUT) , Na*

- Command Query Responsibility Segregation(CQRS)
- Continuous Integration & Continuous Deployment
- DevOps
- Circuit Breaker Pattern
- Domain Driven Design(DDD)
- Event Driven Design(EDA)
- Test Driven Design(TDD)
- Bash, Python, C, Javascript
- Software Development Life Cycle(SDLC)
- SOLID & DRY principle
- Separation of Concern(SoC)
- Google Cloud Platform
- Amazon Web Services
- DBMS.

## HOBBIES

Swimming, reading, Cycling

## CERTIFICATION

AWS cloud practitioner