

ELVIS KIPCHUMBA

Software Engineer

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SUMMARY

Solution-focused backend engineer with nearly two years of experience in developing robust software applications. Skilled in microservices architecture and API development. Seeking a challenging role to leverage technical expertise and drive professional growth.

WORK EXPERIENCE

EXELIENT TECHNOLOGIES

Nairobi, Kenya

Backend Software Engineer

May 2023 - Present

- Built high-performance APIs with Spring Boot, including a financial reconciliation system API handling over 1M+ monthly records.
 - Integrated security protocols for APIs using Spring Security, implementing robust OAuth2 and JWT-based authentication
 - Utilized Swagger for API documentation, ensuring clear communication and ease of integration for external developers.
 - Managed both relational (MySQL) and NoSQL (MongoDB) databases, leveraging Liquibase for schema versioning and migrations.
 - Automated deployment pipelines using Jenkins incorporating Docker for containerization reducing deployment time by almost 90%.
 - Integrated RabbitMQ and ActiveMQ for asynchronous message processing, improving API performance and decoupling microservices.
 - Designed and executed a comprehensive unit testing strategy with JUnit and Mockito, significantly reducing system bugs.
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EDUCATION

Bachelor of Science in Electrical & Electronics Engineering

Sep 2018 - April 2023

University of Nairobi

- Software Development
- Machine Learning & Artificial Intelligence

Secondary School Education

Feb 2014 - Nov 2017

Maseno School

SKILLS AND EXPERTISE

- **Programming Languages:** Java (Expert), Python (Advanced) & SQL (Intermediate)
- **Frameworks and Libraries:** Spring Boot, Spring security, JUnit, Mockito & Angular.
- **DevOps and Deployment:** Jenkins, Docker, Kubernetes, Ansible, Maven and Gradle.
- **API & Microservices:** RESTful APIs, Microservices Architecture, Swagger