

# ELVIS KIPCHUMBA

## Graduate Software Engineer

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## SUMMARY

Motivated Graduate Software Engineer with nearly one year of experience in developing and testing software applications. Proficient in building RESTful APIs, unit testing and contributing to large-scale projects. Seeking a challenging role to learn, grow and make a meaningful impact in software development.

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## WORK EXPERIENCE

### EXELIENT TECHNOLOGIES

#### Junior Software Engineer

Nairobi, Kenya

October 2023 - Present

- Collaboratively developed an automated financial records reconciliation tool using Spring Boot and Spring Batch, processing nearly 1 million records daily.
  - Integrated and managed messaging systems with RabbitMQ and ActiveMQ for asynchronous processing.
  - Designed and maintained relational (MySQL) and NoSQL (MongoDB) databases, using Liquibase and Flyway for migrations.
  - Implemented security measures, authentication, and authorization using Spring Security.
  - Designed and executed a comprehensive unit testing strategy with JUnit and Mockito, significantly reducing system bugs.
  - Deployed Spring Boot applications to ubuntu servers utilizing tools like Docker and monitored their performance and health.
  - Collaborated with team members, participated in code reviews, and documented application features and procedures.
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## EDUCATION

### Bachelor of Science in Electrical & Electronics Engineering

Sep 2018 - Sep 2023

University of Nairobi

- Software Development
- Project Management
- Machine Learning & Artificial Intelligence

### Secondary School Education

Feb 2014 - Nov 2017

Maseno School

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## SKILLS AND EXPERTISE

- **Programming Languages:** Java (Expert), Python (Advanced), Typescript (Intermediate), SQL(Intermediate) & C++ (Basic)
- **Frameworks and Libraries:** Spring Boot, Flask, Django, Spring security, Hibernate, JUnit & Mockito.
- **Web Development:** HTML, CSS, Bootstrap, RESTful API's.
- **DevOps and Deployment:** Linux, Jenkins, Docker, Kubernetes, Ansible and Maven
- **Interests:** Open-Source Software, AI & ML and Travelling