

JESSE JACOB

SOFTWARE ENGINEER



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PROFILE SUMMARY

Detail-oriented Software Engineer proficient in Python, Kotlin, JavaScript, and HTML/CSS, with practical experience in data science and DevSecOps. Delivered over 10 full-stack applications and automation scripts through freelance work and academic projects, including RESTful APIs, data-driven dashboards, and process automation tools. Skilled in secure coding practices, CI/CD pipeline integration, and containerization with Docker. Experienced in identifying system vulnerabilities and implementing effective mitigations. Fast learner with a strong analytical mindset and a consistent record of producing scalable, efficient code in dynamic, timeline-driven environments.

LINKS



Personal Website:

<https://jdilemmax.github.io>



GitHub:

<https://github.com/jdilemmax>



LinkedIn:

<https://www.linkedin.com/in/jessejacobvincent>

CERTIFICATIONS

- Certified Software Developer
- SC-900
- AZ-204
- AZ-400
- Career Essentials in Cybersecurity by Microsoft and LinkedIn

EDUCATION

CyberSec. School

CyberShujaa
April 2025 – Ongoing

Online Platforms
June 2025 – Ongoing

University Education

East Africa School of Aviation
Yet to commence

Software Dev. School

Modcom Institute of
Technology
August 2022 – January 2023

Online Platforms
June 2023 – Ongoing

Highschool

Vihiga Friends High School
January 2018 – April 2022

Software Security Specialist

- Gained foundational and advanced knowledge in Microsoft security, compliance, and identity solutions (SC-900), including key concepts such as Zero Trust, identity protection, governance, and threat mitigation using Microsoft Defender and Microsoft Entra.
- Developed and deployed secure, scalable applications on Azure using core services like Azure Functions, API Management, Cosmos DB, and Azure Key Vault (AZ-204), with hands-on experience in CI/CD pipelines and cloud-native coding practices.
- Designed and implemented DevOps strategies (AZ-400) focusing on continuous integration, infrastructure as code (IaC) with ARM templates and Bicep, release management, GitHub Actions, and security compliance automation across the SDLC in hybrid cloud environments.

Aeronautical Engineer

Software Engineer

- Built end-to-end applications using Python, JavaScript, and Kotlin, applying principles of object-oriented programming, RESTful API design, and cross-platform mobile development with Android SDK and React-based frameworks.
- Applied core data science techniques including data wrangling, exploratory data analysis (EDA), and predictive modeling using Python libraries such as Pandas, NumPy, and Scikit-learn to extract insights from structured datasets.
- Gained hands-on experience in app commercialization strategies—integrating monetization models, analytics, and deployment pipelines using tools like Firebase, Play Console, and third-party SDKs to bring apps from concept to market.

Highschool Graduate

- Four years of high school education and co-curricular activities.

WORK EXPERIENCE

MarketShade

Nairobi
July 2024 – January 2025

Lead Software Developer

- Key contributor to the development and deployment of a scalable e-commerce platform using Django and PostgreSQL, designing modular backend architecture to support secure transactions, inventory management, and user authentication.
- Implemented and maintained cloud infrastructure on Google Cloud Platform (GCP), managing virtual machines, Cloud SQL, and CI/CD workflows with Git to enable efficient version control and automated deployments.
- Collaborated cross-functionally with UI/UX designers and business stakeholders, integrating dynamic JavaScript features for improved frontend responsiveness and optimizing site performance for mobile and desktop users.

SKILLS

Technical

- Web Development
- Mobile Application Development
- Secure API Design and Integration
- Data Science
- Cybersecurity

Soft

- Problem Solving
- Project Planning
- Creativity and Innovation
- Time Management
- Teamwork