

# Moses Onsare

BACKEND SOFTWARE DEVELOPER · M.S. COMPUTER SCIENCE (IN PROGRESS)

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## SUMMARY

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Results-driven backend software developer with 2+ years of professional experience building distributed systems, REST APIs, and enterprise applications. Proficient in Python, Java, Docker, and Kubernetes, with hands-on experience in AI-powered application development and computer vision. Currently pursuing an M.S. in Computer Science at Quinnipiac University. Passionate about engineering solutions that deliver measurable impact.

## EDUCATION

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### Quinnipiac University

*Jan 2026 – Dec 2027 (Expected)*

#### Master of Science, Computer Science

- Thesis-track student actively collaborating with a research group, pursuing original research alongside graduate coursework.
- Designed and deployed a distributed microservices cluster leveraging TCP and UDP communication protocols in a cloud computing environment.

### Jomo Kenyatta University of Agriculture and Technology

*Sep 2018 – Dec 2023*

#### Bachelor of Science, Computer Technology — Second Class Upper Division · GPA: 3.5/4.0

- Majored in software development; graduated with honors equivalent (Second Class Upper Division).
- Senior capstone: built a real-time sign language-to-English translation application using Python, Flask, and a computer vision detection pipeline; HTML/CSS front-end.

## PROFESSIONAL EXPERIENCE

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**eProd Solutions Limited** — Agri-tech company building software for agricultural supply chains, Nairobi, Kenya

*Oct 2023 – Dec 2025*

#### Software Developer

- Architected and shipped a survey-processing automation tool that eliminated manual workflows, reducing employee processing time by 30%.
- Co-developed a version-control REST server in Java (Spring Boot), later ported to Delphi, streamlining software distribution and measurably improving application load speeds for end users.
- Built a React-based traceability web application mapping shelf QR codes to producer/farm data, ensuring compliance with EU Deforestation Regulation (EUDR) export requirements.
- Developed a localization tool in Delphi enabling the desktop application to be translated into multiple languages, expanding the product's addressable market.

- Maintained and extended the core Delphi desktop and mobile codebase; triaged and resolved production bugs across both platforms.

## **eProd Solutions Limited**

*Jan 2022 – Apr 2023*

### **Software Developer Intern**

- Onboarded to a large Delphi enterprise codebase; contributed bug fixes and feature additions to the primary desktop application within weeks of joining.
- Led development of a survey creation and management utility, cutting manual survey-setup time by 30%.
- Prototyped a payment API integration (Daraja/M-Pesa) that directly informed the production implementation, ultimately reducing farmer payment turnaround time by 40%.

## **TECHNICAL SKILLS**

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<b>Languages</b>	Python, Java, Go, Delphi, JavaScript/TypeScript	<b>Frameworks</b>	Spring Boot, Flask, Django, React
<b>Infrastructure</b>	Docker, Kubernetes, Cloudflare, Linux	<b>Databases</b>	PostgreSQL, MySQL, SQLite
<b>AI &amp; ML</b>	Computer Vision, AI-powered app development, GitHub Copilot	<b>Networking</b>	TCP/UDP, REST API design & integration