

# ERICK JILLO

jilloerick6@gmail.com | +254799503165 | GitHub | Portfolio

## PROFILE SUMMARY

Performance-driven Backend Software Engineer with expertise in building scalable distributed systems and high-concurrency APIs. Proficient in Go, Python, and Node.js, with a strong foundation in AI-driven financial modeling and Linux system administration. Proven track record of developing innovative CLI tools and production-ready FinTech solutions.

## TECHNICAL SKILLS

**Languages:** Go, Python (PyTorch), Node.js, TypeScript, JavaScript, C, Bash/Shell  
**Backend & APIs:** Express.js, Flask, RESTful APIs, WebSockets (Socket.io), Distributed Systems  
**Data & AI:** PostgreSQL (NeonDB), ConvexDB, Redis, Deep Learning (Seq2Seq Models), Prisma ORM  
**Tools & Infrastructure:** Docker, Linux Admin, Git, CI/CD, FZF, VSCode Extension Development

## PROFESSIONAL EXPERIENCE

<b>Bunifu Capital</b>	<b>Jan 2024 – Present</b>
<i>Backend Software Engineer</i>	
<ul style="list-style-type: none"><li><b>AI-Driven Credit Scoring:</b> Engineered a proprietary credit scoring engine using Python and PyTorch, implementing sequence-modeling (Encoder-Decoder) to predict creditworthiness from complex financial datasets.</li><li><b>Payment Integration:</b> Led the integration of secure multi-channel payment systems, streamlining mobile money and bank transactions for digital lending products.</li><li><b>Security &amp; Compliance:</b> Hardened platform security via JWT-based authentication and end-to-end encryption, ensuring full compliance with financial data protection standards.</li><li><b>System Performance:</b> Optimized backend scoring algorithms for high-concurrency request loads, reducing latency for real-time loan processing.</li></ul>	

<b>Unimarket E-commerce API</b>	<b>Project</b>
<i>Lead Backend Engineer</i>	
<ul style="list-style-type: none"><li>Architected a high-concurrency marketplace API for university students using Node.js and Prisma, maintaining 99.9% uptime for concurrent product transactions.</li><li>Implemented real-time chat functionality via Socket.io, improving peer-to-peer coordination and user engagement.</li></ul>	

<b>PYDOWN (CLI Tool)</b>	<b>Project</b>
<i>Developer</i>	
<ul style="list-style-type: none"><li>Developed a Python-based terminal client for YouTube, utilizing FZF for fuzzy search and mpv for media playback, reducing system resource overhead by avoiding browser-based interfaces.</li></ul>	

<b>Code Constellation</b>	<b>Project</b>
---------------------------	----------------

TypeScript Developer

- Built a VSCode extension to graphically visualize project folder structures as interactive nodes, improving codebase navigation and developer productivity.

EDUCATION

Egerton University

Expected 202X

Bachelor of Science in Computer Science

Udemy

2024

Python Certified Developer (Candidate)