

Elisha Gerson

Full Stack Developer & Data Scientist

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Profile

01

Dedicated Software Developer and Data Science practitioner with 5+ years of experience engineering production web platforms, distributed systems, and offline-first mobile tools. Proficient in Rust, TypeScript, Next.js, Docker, and relational stores, with proven delivery of high-availability architectures and award-winning AI models.

Experience

02

ICT Officer II

2024 - PRESENT

Belfort Tanzania Limited

- Administer the company's servers, networks, and program databases, keeping data backed up and synchronised across all systems.
- Design and ship internal web applications end to end, delivering projects 15% ahead of schedule.

ICT and Network Trainee

2021

Tanzania Telecommunications Corporation Ltd.

- Partnered with cross-functional teams to identify defective radio transmission stations across Morogoro.
- Conducted site surveys and BOQ analysis ahead of fibre-optic network installations.

ICT Officer Trainee

2020

Mbozi District Council

- Designed, developed, and maintained a Point-of-Sale taxes and levies management system for the district.
- Troubleshoot and resolved software defects to keep revenue collection running.

Data Science Trainee

2019

University Of Dodoma

- Developed machine-learning models to detect ulcers and cancer from medical images, reaching 85%+ classification accuracy.
- Processed and analysed datasets of 10,000+ medical records to train and validate prediction models.

Selected Work

03

CASHFLOW ENGINE

Laravel • Vite • Material UI • MySQL

PARTS & COMPONENTS POS SYSTEM

Next.js • PostgreSQL • TypeScript • Shadcn UI

PESAFLOW

Flutter • Dart • Riverpod • Drift (SQLite)

BELFORT MINI-ERP

Go • Next.js • Docker • Contabo • PostgreSQL

Skills

04

Rust & Backend Systems • TypeScript & Next.js • Android Development • CI/CD & DevOps • Docker & Contabo Cloud • PostgreSQL & Redis • Python & Machine Learning • Linux Administration • Flutter & Mobile SDKs • REST APIs & WebSockets

SOFT & INTERPERSONAL SKILLS

Communication • Team Collaboration • Problem Solving • Adaptability • Time Management • Leadership • Critical Thinking • Attention to Detail

Education

05

BSc in Software Engineering

The University of Dodoma

1st Place Graduating Capstone Award (50+ Cohorts)

2018 - 2022

Certificate of Advanced Secondary Education

Njombe Secondary School

2016 - 2018

Certificate Of Secondary Education

Ng'amba Secondary School

2012 - 2015

References

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Ismael R. Mkumbi

ICT Officer, Tanzania Revenue Authority

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ICT Officer (System Dev), Tanzania Nursing Council

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"I hereby declare that the information provided in this curriculum vitae is true to the best of my knowledge and professional record."



ELISHA GERSON

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VERIFIED_DOSSIER // 2026

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October 2026

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TO

Hiring Team / Engineering Leadership

Software Engineering Department

Dear Hiring Team,

I am writing to express my sincere interest in contributing as a Software Developer to your engineering organization. With over five years of dedicated experience architecting, shipping, and maintaining web systems, offline-first mobile applications, and high-performance server architectures, I thrive on turning complex business constraints into dependable, scalable software products.

My engineering journey spans foundational academic research and high-stakes commercial software delivery. At The University of Dodoma, I designed and trained medical computer vision models classifying oncology imagery with 85%+ accuracy — earning the university's Best AI Project award — and spearheaded the backend systems for an automated biometric invigilation platform ranked #1 across 50+ capstone cohorts.

In industry, I have designed and deployed enterprise systems that solve acute commercial pain points: from architecting Belfort Mini-ERP with a high-throughput Go backend containerized via Docker on Contabo cloud servers, to engineering RetailOS POS — a sub-50ms offline-first retail engine managing 100,000+ automotive SKUs — and building PesaFlow, a privacy-first mobile finance ledger that parses Tanzanian mobile money alerts in real time.

I pride myself on building software that is fast, resilient, and deterministic under heavy operational load. Whether designing double-entry ledger engines, optimizing PostgreSQL indexing, or tuning Linux servers and Docker containers, I bring a craftsman's attention to detail, strong team collaboration, and a relentless focus on end-user impact.

I am excited about the potential for future collaborations and look forward to discussing how my technical background and problem-solving mindset can accelerate your team's engineering goals. Thank you once again for your trust and consideration.

Sincerely,



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