

Marc Levin

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🌐 marclevin

About Me

I'm a curious and self-taught developer with a lifelong passion for building things that solve real problems. My interest in programming started early and evolved into a drive to design software that's both impactful and efficient. Whether it's streamlining processes in finance or creating smarter tools for people, I enjoy turning ideas into working solutions.

I thrive in collaborative environments where knowledge is shared freely, and I'm always keen to learn from those around me. My goal is to keep growing, not just technically, but also as a team player and creative thinker. I'm looking for opportunities where I can contribute meaningfully while continuing to learn, build, and push boundaries.

Education

University of Johannesburg *Jan 2020 – Dec 2023*

BS in Computer Science & Informatics

- GPA: 80% ([Bachelors Transcript](#) 🔗)
- **Coursework:** Computer Architecture, Computational Theory, Data Structures and Algorithms, Operating Systems, Database Systems

University of Cape Town

Feb 2024 – Nov 2024

BS (Hons) in Computer Science

- GPA: 82% ([Honours Transcript](#) 🔗)
- **Coursework:** Functional Programming, Compiler Construction, Artificial Intelligence, Network Security, Big Data, Game Theory

University of Cape Town

Feb 2025 – April 2026

MPhil in Financial Technology

(Expected)

- Currently Enrolled
- **Coursework:** Machine Learning, Blockchain Technologies, Financial Regulation, Quantitative Finance, Smart Contracts, Data Ethics, Secure Computing, Applied Cryptography

Experience

Software Engineer

Sandton, Johannesburg

Three Address Code

Sept 2019 – Oct 2020

- Implemented automated end-of-day reconciliation with major brokers.
- Created an automation pipeline for PDF ETL and email processing.
- Refactored a stock allocation system that processes thousands of transactions daily.

Software Engineer Intern

Foreshore, Cape Town

Electrum

June 2024 – July 2024

- Developed Infrastructure as Code tools for cloud deployments.
- Developed CLI tools for internal use.
- Gained exposure to industry-standard DevOps and SDLC processes.

Projects

AST-Based Hint Generator

[Repo Link](#) 🔗

- Developed a hint generator based on Abstract Syntax Tree structure comparison and Large Language Model refinement as part of my honours research.
- Tools Used: Python, Postgres, Docker, JavaScript

BarkingMad AutoFeeder

[Repo Link](#) 

- Developed a Chrome extension that automates the process of contributing to charity.
- Tools Used: JavaScript, AppScript

Open Payments

[Repo Link](#) 

- I am an active contributor to the Open Payments project founded by the Interledger Foundation
- Tools Used: TypeScript, OpenAPI, Husky

Technologies

Languages: JavaScript, Java, Python, C++, x86 Assembly, C#, SQL, R

Technologies: Django, Docker, OpenAPI, React, ExpressJS, Node.js, Tailwind, Flask, Latex

Interests

Blockchain applications in law, de-centralized finance, startup ecosystems, AI ethics, cooking and fitness!