



Software Engineer · Pennsylvania

hellomihir.com
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Software engineer who builds web apps end to end, from PostgreSQL schemas and APIs to React interfaces. After seven years in IT and operations at Adiya Pharma Inc., I now lead development of its internal operations platform. I write TypeScript, Go and Python, and I'm comfortable on Linux, with networking and security.

Experience

Adiya Pharma Inc. Jul 2019 – Present

Software Engineer · Hybrid Jul 2026 – Present

- Lead full-stack development of Adiya OS, the company's internal operations platform, built with React, TypeScript, Node.js, PostgreSQL and Prisma.
- Brought orders, artwork, production, quality and shipping for labels, inserts and cartons into one system.

IT & Operations Support Jul 2019 – Jun 2026

- Provided IT support and helped run day-to-day operations, including production packing and other hands-on work.

Projects

Aura · Paper-trading research workspace github.com/Mihir9702/Aura

Python, FastAPI, PostgreSQL, React, TypeScript, Playwright

- Built an append-only, double-entry ledger in PostgreSQL with decimal amounts and balanced, idempotent journals.
- Added audited Entry Halt and Full Kill controls, driven by version-checked, idempotent commands that fail closed.
- Secured owner access with hashed, expiring sessions, HttpOnly SameSite cookies, origin checks and throttling.
- Documented the platform in an 18-chapter design bible and 23 architecture decision records.

Jump · 2.5D browser platformer mihir9702.github.io/jump

TypeScript, Three.js, Vite

- Rebuilt my 2022 canvas game in Three.js with a fixed 120 Hz simulation and keyboard, gamepad and touch input.
- Wrote physics tests, a solver that proves every level can be finished, and a headless-Chrome playtest.

hellomihir.com · Portfolio github.com/Mihir9702/portfolio

- A Next.js site whose header name is a playable platformer, with generated social images and structured data.

Earlier: a Discord clone (GraphQL, PostgreSQL), Fitness Elevator (Vue, Java Spring) and Crown (React, AWS S3).

Skills

Languages	TypeScript, JavaScript, Go, Python, Java, SQL	Systems	Linux, networking, security, Docker, AWS
Frontend	React, Next.js, Vue, Tailwind CSS, Electron	Databases	PostgreSQL, Prisma, Redis, MongoDB
Backend	Node.js, FastAPI, GraphQL, Spring, Django	Testing	Playwright, pytest, Node test runner

Education

Tech Elevator · Certificate, Java Full-Stack Software Development Jan – Apr 2024

Ironhack · Certificate, Full-Stack Web Development Jan – Mar 2022

Drexel University · Computer Science coursework Sep 2020 – Apr 2021