

Engineer with 6+ years of professional experience and a lifetime of technological curiosity. Depth in design & development of software with Java, Python (and everything with Copilot), breadth in multiple other technologies. Fueled by the prospect of being a contributor to software used by millions around the world.

Work Experience

Founding Engineer, alloan.ai 2023-present

- **Lead the design and development of the core backend** right from git init for the product. An extensible WAF framework that handled Authn and Authz with payload validation, logging workflow with App alerts processed on Azure and notified on Slack, several abstracted utils to access resources securely among others.
- **Handle Azure Infrastructure** for the org, including routine audits, resource lifecycles, alerts, cost estimation and tracking, and privilege access
- Responsible for **devOps pipelines and CI/CD**
- Involved in all product and UX decisions.
- Set up support pipelines, on/offboarding flows, monitoring
- **Lead all GenAI efforts** across the org with a standard workflow to save history of responses, self-heal, validate and process outputs etc (before it was cool!)
- Responsible for **security and multi-tenancy aspects** of the product

Software Engineer, ZohoCorp 2019-2023

- Enhanced, audited and secured the application's **core authentication processes** (AD, MFA and SAML SSO) including design-level redundancies.
- **Responsible for multiple core modules** of Zoho's enterprise UEM software, including IAM and Licensing.
- Actively involved in the evolution of multiple features with cross-functional teams, aided by **quick grasping of complex problems and unrelenting research** for the best solutions.
- Work on, and prioritize and delegate multiple tasks, making critical decisions designed for the best ROIs in addition to **mentoring junior developers**.
- Step in to take ownership of out-of-scope process improvements. **Drafted the first 0-day playbook**, introduced a fresher access provisioning workflow.
- Improved customer-support response times by **voluntarily taking ownership and spearheading** internal adoption of a StackOverflow-like platform. Actively used.
- Used a range of technologies to bring about improvements at various levels using scripts, bots and analytics. Still used by >200 developers today.
- Ported and refactored entire modules from Struts framework to an efficient REST-based Jersey API framework.

Education

GCE Tirunelveli BE - Mechanical Engg.

- 20+ inter college awards
- Best outgoing student, '19

Achievements

- Achieved a complete account takeover of a Zoho Twitter handle, **driving org-wide changes in SM account management**
- Top 10 in an org-level CTF
- Placed 3rd/3000+ in a Zoho hacking event
- Top 20 in the Airbus Aerothon '19, Bangalore
- **8.5 band in IELTS (~99 percentile)**

A few personal projects

The Wallet JS | [Open it](#)

An app to save bookmarks and quotes for myself

TheWall - Progress Tracker JS | [Github](#)

ElectronJS app built to track my personal progress.

Zoho People Chrome Extension JS | [Github](#)

Extension to ease the Zoho-mandated WFH check-in/out process

Electron vLog JS | [Github](#)

Take dev timelapses of ElectronJS apps easily

TV show manager Java

App to remember and play the next Naruto episode locally with a single click (pre-OTT era, could never remember which episode I was on)

WriteRight Ionic/Flutter

Android app to rewrite text directly from the context menu. Grammarly on steroids, but failed.

Khartoum Python

TUI app to track tasks using a state machine

Khartoum v2 Python

Whatsapp-first assistant with agentic AI & claude code

Font preview Firefox Extension JS | [Store](#)

View live previews of Google fonts on any website

Non-technical

- Skilled in extempore, managing, debating, and writing. Believe in comms and documentation.
- Interested in the arts - paint and sketch, and also play many instruments.

Tech I've used (I love exploring, don't judge me!)

Java, JS/TS (ElectronJS, React, Svelte, Vue, NodeJS), Python (Flask), SQL (MSSQL, PostgreSQL), noSQL (Azure Cosmos, Redis), Dart (Flutter), Chrome extensions, Firebase, Ionic, PydanticAI, MastraAI, etc. Aiming to release an app on the Play Store now!

Things I've written

[On the Ivanti auth bypass](#) | [Hashing explained](#) | [Obfuscation explained](#) | [On things I build for fun](#) | [Issue-based dev in '20](#)

[I read reviews before I choose a fleeting lunch. Before you choose to have lunch with me for years, here are my reviews!](#)