

Imran Khan

Fullstack Engineer | React, FastAPI, AWS

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Experience

Software Development Engineer 1 @[Procedure Technologies](#)

Aug 2023 - Present

- Collaborated with the founding team to build the MVP of an EdTech product now adopted by **200+** U.S. school districts, saving schools **\$4M+ annually** and contributing to **\$3M+ ARR**.
 - Spearheaded architecture design for a **multi-tenant SaaS infrastructure**, supporting new district onboarding with **zero downtime**.
 - Optimized a core data pipeline through **parallel downloads**, **bulk querying**, and **Pandas'** vectorized operations, reducing processing time from **30+ minutes to under 5 seconds**.
 - Upgraded the codebase to **Pydantic v2**, ensuring **1000+ tests** passed without warnings, achieving up to **20x faster validation and serialization**.
 - Integrated **Datadog** for logging, monitoring, and deployment validation, improving pre-production QA and ensuring a **99.99% SLA**.
 - Managed a full-stack application (**React/TypeScript**, **FastAPI**, **MongoDB**) while automating workflows using advanced **UNIX** tools and **Bash scripting**.
 - Built **CI/CD pipelines** with **GitHub Actions** and automated infrastructure provisioning via **Terraform** on **AWS**, enabling seamless deployments.
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Software Engineer 1 @[MAQ Software](#)

Feb 2022 - Jul 2023

- Designed and deployed high-performance analytics dashboards using **YouTube APIs**, serving thousands of daily active users.
 - Developed **Power BI** and **React** dashboards backed by **Azure SQL** and **KQL** pipelines, enabling near real-time data updates.
 - Collaborated with U.S.-based clients to translate business requirements into effective technical solutions, enhancing data-driven decision-making.
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Tech Stack

Frontend: React, Next.js, TypeScript, Tailwind CSS, Redux, React Query

Backend: FastAPI (Python), Node.js (Express), MongoDB, PostgreSQL

Cloud & DevOps: AWS (EC2, S3, Lambda), Terraform, GitHub Actions, Docker

Developer Tools: Bash, Neovim, Linux, tmux

Open Source Contributions

[PRs](#) | [Issues](#)

- Contributed a [feature PR](#) to **firebase-admin-python** enabling auth-provider support during user creation.
 - Submitted a [visibility enhancement PR](#) to [eylenburg.github.io](#), a comparative site for OSes, Linux distros, and browsers.
 - Participated in issue discussions and resolved user queries in [philc/vimium](#), a popular browser extension for keyboard-based web navigation.
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Projects

- **ShareMe** – A Pinterest-style image-sharing platform featuring posts, comments, favorites, search, and Google login.
 - Built with **React**, **TypeScript**, and **Tailwind CSS**, integrating **Google OAuth** for authentication and authorization flows.
 - Designed data schema for posts, comments, and favorites using **Sanity CMS**; implemented category-based search and filtering.
 - Added **optimistic UI updates** for likes/favorites and **infinite scroll** for seamless large gallery rendering.
 - Links: [Demo](#) | [Source](#)
 - **Workflow** – A Kanban board application with real-time drag-and-drop for task state updates.
 - Built using **React**, **Tailwind CSS**, and **Vite** for fast development and smooth UI performance.
 - Links: [Demo](#) | [Source](#)
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Education

- **B.E. Computer Engineering**, Rizvi College of Engineering (2018–2022) – CGPA 9.09/10