Imran Khan

Frontend Engineer

Email | Portfolio | GitHub | LinkedIn | X

Experience

Software Development Engineer 1 @Procedure Technologies

Aug 2023 - Present

- Optimized a core data pipeline by implementing parallel downloads, bulk querying, and leveraging **Pandas'** efficient data structures, reducing processing time from **over 30 minutes to under 5 seconds**.
- Successfully upgraded the codebase to **Pydantic v2**, ensuring all **1000+ test cases** passed without warnings, resulting in up to **20x faster validation and serialization speeds**.
- Integrated **Datadog** for log monitoring and deployment validation, ensuring staging environments function correctly before production pushes, contributing to a **99.99% SLA**.
- Managed a full-stack application, including a **React/TypeScript** frontend, **FastAPI** backend, and **MongoDB**, while utilizing advanced **UNIX** tools and **Bash scripting** for automation.
- Designed and maintained CI/CD pipelines using **GitHub Actions**, alongside efficient infrastructure provisioning via **Terraform** on **AWS**, ensuring seamless deployments.

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 with seamless user experience.
- Implemented continuous data integration pipelines with **SQL** and **KQL**, enabling near real-time dashboard updates without compromising performance.
- Collaborated with US-based clients to translate business requirements into effective technical solutions, enhancing data-driven decision-making.

Tech Stack

Frontend: React, TypeScript, Tailwind CSS, Styled Components, Redux
Backend & Databases: FastAPI (Python), MongoDB, PostgreSQL, PocketBase
Tools & Workflow: GitHub Actions, Terraform (AWS), CI/CD, Bash, Vim/Neovim
Others: UNIX/Linux, tmux

Projects

- **ShareMe** - Image-sharing platform featuring Google login, search, categories, and a modern CMS-backed UI.
  - Made with React, Tailwind CSS, Sanity CMS
  - Links: Demo | Source
- **Workflow** - A Kanban board application that uses drag-and-drop to enable seamless task state updates.
  - Made with React, Tailwind CSS, Vite
  - Links: Demo | Source

Education

- **B.E. in Computer Engineering** - CGPA: 9.09/10
  - Rizvi College of Engineering (July 2018 - May 2022)
- **HSC (Computer Science)** - 86.46%
  - Royal College of Arts, Science & Commerce (June 2016 - May 2018)