

Saad Khan

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Education

◆ Bachelors in Software Engineering

UET, Taxila

2013 - 2017

Experience

◆ Head of Software Engineering

WiMetrix

Jan 2025 - Present

- ◆ Moved the codebase to a single mono-repo (pnpm, Turborepo).
- ◆ Migrated the mobile applications to React Native.
- ◆ Introduced Role Based Access Control (Keycloak and OAuth).
- ◆ Implemented a strict linting setup, including CI/CD (ESLint, TypeScript, CSpell).
- ◆ Overhauled and simplified the database schemas of existing products.
- ◆ Implemented pull-request review protocols, and repository protection rules.
- ◆ Migrated to Kubernetes-based deployment pipeline.
- ◆ Migrated from Slack to Microsoft Teams for communications.
- ◆ Introduced Odoo to the organization.

◆ Team Lead (Full-Stack)

WiMetrix

Jun 2023 - Jan 2025

- ◆ Developed Desktop applications with Electron
- ◆ Implemented theming, internationalization, and dark-mode on the frontend.
- ◆ Employed comprehensive unit-testing within the organization.
- ◆ Migrated the backend applications to a microservices architecture.

◆ Full-Stack Developer

WiMetrix

Feb 2021 - Jun 2023

- ◆ Migrated the entire codebase from JavaScript to TypeScript.
- ◆ Migrated to GitHub Actions-based deployment pipeline.
- ◆ Overhauled backend applications (TypeScript, Fastify, Swagger, Zod).
- ◆ Overhauled frontend applications (TypeScript, Vite, React, CSR)

◆ Full-Stack Developer / Project Manager

NestedLogics

Dec 2017 - May 2018

- ◆ Developed full-stack apps in native web technologies (jQuery, Node.js, Cheerio).
- ◆ Developed desktop applications (admin portals and setup wizards) in Electron.
- ◆ Created and Maintained database schemas in MySQL.
- ◆ Created real-time chat and communications with Web Sockets.
- ◆ Created SMS and email based notification pipeline.

◆ Freelancer Developer & Designer

Freelancing

May 2012 - Jan 2023

- ◆ Created Brand Identities and brand design guides in CorelDraw.
- ◆ Created print and electronics graphic designs in CorelDraw.
- ◆ Created multiple Full-Stack web applications using native web technologies.
- ◆ Designed static website and landing pages.

Languages

- ◆ TypeScript
- ◆ JavaScript
- ◆ HTML
- ◆ CSS
- ◆ SQL
- ◆ Bash

Libraries

- ◆ React
- ◆ React Native
- ◆ Node.js
- ◆ Fastify
- ◆ Express
- ◆ Astro
- ◆ Expo
- ◆ Jest
- ◆ Vitest
- ◆ Playwright
- ◆ Electron
- ◆ Material UI
- ◆ Zod

Databases

- ◆ MSSQL
- ◆ MySQL
- ◆ PostgreSQL
- ◆ MongoDB
- ◆ SQLite
- ◆ Sequelize
- ◆ Prisma
- ◆ Mongoose
- ◆ Drizzle

Technologies

- ◆ Git
- ◆ Keycloak
- ◆ OAuth
- ◆ GitHub Actions
- ◆ Docker
- ◆ Kubernetes
- ◆ Jenkins
- ◆ API Six
- ◆ NATS
- ◆ WebSockets
- ◆ Web RTC