SHOAIB KHAN

Senior Software Frontend Developer

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Frontend Engineer with 6+ years of experience building scalable, high-performance web applications and internal platforms. Strong expertise in frontend architecture, developer productivity, and config-driven UI systems. Hands-on AI experience, from building a real-time AI chat product (Hevo Answers) to agentic workflows with Claude Code, Cursor, and MCP.

Work Experience

FinBox */ Senior Software Engineer (Frontend) /* *Oct 2025 - Present*

- Sole frontend engineer for a no-code lending platform, owning end-to-end architecture, design, and development across six builder surfaces — dashboard, workflow, policy, task, runtime renderer, and origination console — alongside a lean backend team (2 engineers).
- Architected a config-driven UI platform that renders dashboards dynamically from backend configuration, replacing per-client custom-coded solutions and cutting feature delivery from 2–3 days to 1–2 hours by letting non-engineering teams configure features without frontend changes.
- Built a visual workflow builder — a drag-and-drop state-machine editor on React Flow + Zustand — letting ops teams author loan-processing workflows with states, actions, conditional transitions, async events, SLAs, and permission groups, and nest reusable child workflows inside parent flows.
- Designed a schema-driven form engine that renders workflow action configuration from backend metadata — 10 control types, remote-fetched option sources with templated arguments and cross-field filtering — so new backend operations become configurable in the UI with zero frontend deploys.
- Drove AI-assisted development with Cursor and Claude Code — set up project context, coding rules, and reusable agent workflows for building, testing, and reviewing features — so a one-person frontend could keep pace across all six builder surfaces.
- Prototyped a repo-aware AI PR review bot that parses changed code into ASTs, indexes functions as vector embeddings, and runs similarity search across the codebase to flag duplicate utility functions before they are merged.

Hevo Data

Frontend Developer III */* *June 2024 - Sept 2025*

- Built **Hevo Answers**, an **AI-powered real-time chat application** that converts **natural-language queries** into actionable data insights, delivering a seamless, polished conversational experience for users exploring their data.
- Architected and implemented the complete redesign and setup of **product v2.0**, implementing comprehensive development standards and **testing frameworks and Automation** that reduced **technical debt by 50%** and established consistent coding practices across development teams.
- Optimised development workflow by replacing **Webpack** with **Vite** in an Angular-React ecosystem, achieving a **96%** reduction in build time (180s to 7s), significantly enhancing team productivity and deployment efficiency.
- Successfully executed the transition from **Babel** to Rust-based **SWC** compiler, achieving a **3x** faster CI/CD pipeline performance (22 to 7 minutes), resulting in improved developer productivity and faster release cycles.
- Implemented comprehensive **GCP Marketplace** integration including dashboard analytics and billing systems, resulting in **expanded** product accessibility and increased **customer acquisition** through GCP.
- Developed a backend-configured **form templating** system, transforming **static** form implementations into dynamic, **reusable components**, resulting in **80%** faster form creation and **60%** reduction in codebase.

Frontend Developer II */* *June 2022 - May 2024*

- Single-handedly maintained and evolved internal **utility tool (Alfred)**, implementing key features and establishing **test-driven** development practices, resulting in improved code quality and **40%** reduction in bug reports.
- Initiated and implemented comprehensive **Jest testing framework** in production codebase spanning **23,000** branches, and contributed **10%** overall coverage across the codebase.
- Optimised **Jekyll** documentation site **build performance** through strategic component **caching,** reducing build time by **22x** and improving development workflow and deployment efficiency.
- Enhanced test suite monitoring by integrating **JUnit** test reporting with **CircleCI,** enabling data-driven identification of **flaky tests** and test suite performance metrics.
- Implemented interactive **pipeline analytics dashboard** with customisable filters and **performance metrics,** enabling **support team** to identify **stuck and laggy** pipelines and correlate with support tickets, resulting in much **faster** issue resolution.

Tarento Technologies Pvt Limited */ Software Developer(React JS/ React Native) /* *Jun 2021 - May 2022*

- Engineered a React Native **tablet application** for Finland's leading restaurant chain, implementing comprehensive **reservation management system** including dashboard analytics, guest profiles, and real-time booking updates.
- Successfully delivered a time-critical **React.js** interview preparation platform within one month, enabling users to enhance their interview skills through interactive features and real-time feedback.
- Actively participated in agile development processes, managing project workflows through GitHub, participating in sprint ceremonies, and mentoring junior developers, contributing to improved team velocity and knowledge sharing.

GoWithDOT */ Full Stack Developer(React Js/ Flask) /* *Aug 2020 - May 2021*

- Worked on a **Telehealth Web Application** used by admin/doctors/patients for their respective use, responsible for building the whole UI interface from scratch with various functionalities. **(Next Js)**
- Integrated **Zoom Web SDK** in the project for allowing end to end calls within the Platform. **(Next Js)**
- Responsible for writing APIs for the same project in **Python/Flask.**

Agentic AI Projects

AI Video Production Pipeline */ Claude Code, Python, FFmpeg, MCP*

- Run a solo YouTube channel end to end with **Claude Code agents** — transcript-driven editing, colour and tone-mapping, captions, and Shorts — guided by a git-versioned **knowledge base** of scripts, editing rules, and per-episode post-mortems that the agents read and update.
- Built a reusable **motion-graphics agent skill**: it reads a locked cut, plans graphic and sound-effect cues, renders **4K kinetic-type overlays** with a Python/Cairo engine, replaces burned-in captions, mixes SFX, and verifies its own output with an automated **audibility check**.
- Integrated **MCP servers** (Epidemic Sound, vidIQ) so the agent can search, download, and catalogue missing music and SFX, and pull channel analytics for titles, thumbnails, and post-mortems.

Swing-Trading Signal System (Indian Equities) */ Python, Streamlit, Claude Code*

- Built, with **Claude Code**, a Python pipeline that screens Indian stocks for **Knoxville Divergence** setups behind a **Nifty 50 200-DMA** regime filter, logs signals, tracks open positions with **ATR-based stops** and scaled exits, and surfaces it all in a **Streamlit** dashboard (read-and-alert only, no order placement).

Skills

Frontend Frameworks & Libraries: React.js, Next.js, React Native, Angular, Redux, React Query
Programming Languages: JavaScript, TypeScript, Node.js, Python
AI & Agentic Tooling: Claude Code (skills, agents), Cursor, MCP, prompt & context engineering, embeddings, AST parsing
Styling & UI: HTML5, CSS3, Sass, Tailwind CSS, CSS Modules, Storybook
Testing: Jest, Vitest, React Testing Library
Build Tools & Bundlers: Vite, Webpack
Backend as a Service (BaaS): Firebase, Appwrite

Certificates

- **Complete Web Developer Course:** It is a course offered by ZTM Academy.
- **Complete React Js Developer:** It is a course offered by ZTM Academy.
- **Completed Python Developer:** It is a course offered by ZTM Academy.

Education

BML MUNJAL UNIVERSITY / B.TECH - COMPUTER SCIENCE & ENGG / August 2016 - June 2020