

# Shohail Ahmed

Senior Frontend Engineer · React & Micro-Frontends · AI Integration Enthusiast

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## SUMMARY

Senior Frontend Engineer with 9+ years turning complex requirements into fast, accessible, production-grade web products across e-commerce, insurtech, and fintech. Expert in React, TypeScript, and micro-frontend architecture—known for owning delivery end-to-end, from UX handoff to performance engineering, SCA security stewardship, and team mentoring. Ranked top 3% globally (386 / 12,885) in HackerRank Orchestrate 2026 building AI agents, currently seeking to leverage this technical expertise to drive frontend architecture for innovative, AI-forward product teams.

## SKILLS

- **Frontend & Architecture:** React, Next.js, TypeScript, JavaScript, Micro-Frontends, Design Systems, Redux, MobX, Formik
- **Performance & Testing:** Web Performance, Core Web Vitals, Accessibility (a11y), Jest, Playwright, Cypress
- **AI & Agentic:** MCP Servers, AI Agents, LLM Integration
- **Backend & APIs:** Node.js, Express, GraphQL, Apollo, REST API
- **Additional:** Vue.js, React Native, SCSS / CSS3, jQuery, Git, Docker, Vite, Webpack, CI/CD, Flutter

## EXPERIENCE

### Senior Software Engineer · Target Corporation

09/2024 — Present

Bengaluru, India · AI Guild

- **Delivery Ownership:** Partnered with product managers to define scope, authored and triaged tickets, liaised directly with UX designers to translate wireframes into technical specs, and mentored junior engineers to keep delivery unblocked across agile/Scrum sprints.
- **Security:** Owned SCA vulnerability remediation and drove major library version upgrades across micro-sites, reducing security exposure and modernizing the dependency stack.
- **AI Guild:** Designed AI-powered internal workflows and led hands-on LLM training sessions for engineering teams across the org.
- **MCP Server:** Built a Model Context Protocol server to power AI-assisted documentation for Target's Developer Experience Portal.
- **Conversion:** Owned and engineered new user flows for registry and gifting features, delivering a direct 20% increase in conversion rates.
- **Performance:** Reduced JS bundle from 5 MB to under 6 KB across legacy micro-sites; improved Core Web Vitals and page-load metrics by over 40% via Lighthouse, WebPageTest & New Relic.

### Senior Software Engineer · Element Insurance AG

05/2022 — 03/2024

Remote / Berlin, Germany

- **Form Engine:** Led system design and implementation of a JSON-schema-driven dynamic form engine powering configurable insurance underwriting workflows — enabling business teams to define conditional field logic and validation rules without code changes.

- **State & Accessibility:** Architected the form engine's state layer using Formik — managing conditional field visibility, cross-field validation, and multi-step state across deeply nested schemas — and drove accessibility compliance (ARIA labels, keyboard navigation, screen-reader support) for EU standards.
- **Underwriting:** Owned the underwriting frontend end-to-end, translating complex insurance domain rules into reliable user experiences within a white-label micro-frontend architecture.
- **Code Quality:** Raised code quality and delivery consistency across a 6-person cross-functional team (2 FE, 2 full-stack, 1 lead, 1 EM) by driving CI/CD improvements and structured peer reviews.

### Software Developer · CloudThing India

03/2020 — 03/2022

Bengaluru, India

- **Architecture:** Architected and led the React UI strategy, building a design system and reusable component library (Tree, Slide-View, Table Grid) adopted across client projects.
- **Testing:** Raised code coverage from <50% to 90% using Cypress, Jest & Playwright; exported project as a reusable npm module.

### Software Developer · PT Tujuh Teknologi Asia

10/2018 — 12/2019

Indonesia · Fintech

- **Bulk Upload Tool:** Designed and built a high-performance data ingestion tool processing thousands of records with optimal throughput for fintech workflows.
- **Mentorship:** Accelerated onboarding for 2 interns through structured code reviews and daily guidance on React fundamentals.

### Software Developer · Onebit Consult Pvt. Ltd.

03/2017 — 10/2018

Bengaluru, India

- **Full-Stack:** Started career building full-stack client applications (PHP, CakePHP, jQuery) before transitioning to React and React Native — establishing the breadth that underpins senior full-stack frontend work today.
- **Mobile & Tooling:** Developed React Native components for mobile applications, and upgraded Webpack & React from legacy versions, improving developer tooling and build quality.

## PROJECTS

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### [ai-worker.app](#) · Collaborative AI Agent Orchestration Platform

[GitHub](#)

- **Multi-Agent Orchestration Architecture:** Architected a distributed workflow engine managing autonomous AI agents with complex state preservation, automated task decomposition, and fallback execution pipelines.
- **Real-Time Collaborative UI:** Built a node-based visual workflow canvas using React, TypeScript, and WebSockets to enable seamless multiplayer collaboration and real-time streaming of LLM token execution paths.
- **Context Optimization:** Implemented efficient vector-based routing mechanics and context-window mitigation strategies to control token overhead and minimize API interaction latencies.

### React Native Circular Progress Dial · Open-Source Tooling

[GitHub](#)

- **Component Packaging:** Engineered an open-source npm package offering high-performance, modular UI mechanics extending react-native-progress-dial for cross-platform applications.

## EDUCATION

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### Bachelor of Engineering · Dayananda Sagar College of Engineering

2015

Bengaluru, India