

Shajee Bin Waqar

Senior Software Engineer

\$50/hr · Available

Karachi, Pakistan · shajeebinwaqar.netlify.app · www.linkedin.com/in/shajee-bin-waqar-559aa118b

SKILLS

TypeScript / JavaScript, AI-Assisted Development, React JS / Next JS, Prompt Engineering / LLM Workflows, React Native, AI-Agent / MCP Concepts, Node JS / Express JS / Nest JS, CI/CD & Deployment Automation, REST APIs / Swagger (OpenAPI), Production Monitoring (Bugsnap / Datadog), SQL / NOSQL Databases, Third-party Integrations, Tailwind CSS / SCSS, Kafka / Event-Driven Patterns, State Management (Redux / Context), Cloud Infrastructure, Stripe / Payment Integrations, Application Security, AWS / GCP / Azure, OOP / Design Patterns, Terraform / Docker, Agile Product Delivery, Jest / Cypress / Playwright, Cross-functional Collaboration, Git / GitHub Actions, Responsive UI Development

ABOUT

Full-Stack Engineer with 5+ years of experience delivering TypeScript, React/Next.js, React Native, and Node.js products across web, mobile, API, and cloud layers. Hands-on with REST APIs, SQL/NoSQL data, Stripe integrations, Terraform, AWS/Azure/GCP, CI/CD, automated testing, and production monitoring. Brings mobile delivery, backend API, Kafka/event-driven, third-party integration, and AI-assisted development experience, including prompt engineering and familiarity with AI-agent/MCP workflows. Focused on secure, maintainable code and ownership from idea to production.

EXPERIENCE

Senior Software Engineer · ML arteka

Oct 2024 – Present

Remote · full time

Delivered e-commerce features using React, TypeScript, and GraphQL, integrating Shopify, Algolia, and Contentful. Built a cross-platform desktop product and designed Azure cloud infrastructure with Terraform and CI/CD.

Software Engineer · NXT LABS

Apr 2023 – Oct 2024

Remote · full time

Collaborated with experts to develop responsive interfaces and backend integrations using various technologies. Utilized AWS services and GitHub Actions for automation and scalable delivery.

Frontend Engineer · Wavetec

Aug 2022 – Apr 2023

Hybrid · full time

Created an Angular boilerplate for telecommunications and bank integrations, partnered with QA to automate testing, and developed customer-facing Du modules.

Full Stack Engineer · Integnix Private Limited

Jun 2021 – Jul 2022

On site · full time

Collaborated with Agile teams to deliver user-focused features for Instazap and Otals. Built web and mobile features, optimized APIs, and delivered a secure CI/CD workflow.

PROJECTS

StockOps

github.com/Shajee98/sao_be, https://github.com/Shajee98/sao_fe

Java · Spring Boot · Spring Cloud Gateway · Spring Data JPA · Hibernate · gRPC · REST APIs · JWT · PostgreSQL · Redis · Next.js · React · TypeScript · TanStack React Query · Tailwind CSS · Chakra UI · Recharts · Docker · Docker Compose · Maven · Stripe · Polygon.io

StockOps (Stocks and Options) is a full-stack investment portfolio management platform designed to help investors manage, analyze, and monitor stock and options positions from a centralized application. The platform supports stocks, covered calls, and cash-secured puts, providing portfolio management, transaction processing, P&L analytics, break-even and annualized return calculations, historical performance tracking, interactive dashboards, watchlists, and financial calculators.

The frontend is built with Next.js 14, React, TypeScript, and the App Router, using TanStack React Query for server-state management and caching, Chakra UI, NextUI, Tailwind CSS, Formik/Yup, and Recharts/Lightweight Charts for interactive data visualization. It communicates with the backend through a REST API layer using Axios, with cookie-based JWT authentication, middleware-based route protection, query/mutation abstractions, and cache invalidation to keep portfolio data synchronized. The application also integrates Stripe-based subscription management, CSV transaction exports, responsive dashboards, and parallel routes for portfolio-specific views.

The backend is implemented in Java and Spring Boot using a modular microservices architecture. Spring Cloud Gateway provides a centralized API entry point and JWT validation layer, while dedicated services handle user identity, portfolio management, and stock/options transaction processing. PostgreSQL provides persistent storage, while Redis and Polygon.io are used for market-data ingestion and messaging infrastructure. The transaction and portfolio services use gRPC for portfolio-value synchronization, while REST is used for conventional service communication and data retrieval.

The system is containerized with Docker and orchestrated through Docker Compose, with a shared service network and PostgreSQL infrastructure. A key focus of the platform is reliable financial computation, with portfolio and options calculations implemented using `BigDecimal` and explicit rounding to maintain numerical precision. Overall, the project demonstrates full-stack development across a modern React/Next.js frontend and Java/Spring Boot microservices backend, including distributed service architecture, authentication, financial domain logic, data visualization, inter-service communication, external market-data integration, and containerized deployment.