S.M. Hazrat Ali

Full-Stack Engineer

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SUMMARY

Full-stack engineer with 4 years of production experience building fintech and billing platforms with React/Next.js, TypeScript, Node.js, PostgreSQL, MongoDB, and Redis, plus over a year of hands-on DevOps work with Docker, GitHub Actions, Terraform, and AWS. I build mainly with agentic coding tools (Claude Code, Cursor): I write scoped specs, run parallel agents across backend and frontend work, and review, test, and debug their output before it ships. Currently on a contract and available to join immediately.

AI-ASSISTED DEVELOPMENT

- Use Claude Code and Cursor as my main development environment for production work at PriceEstimator.ai and for my personal projects.
- Break features into scoped specs and run parallel agents across API, UI, and test work in isolated branches, guided by Claude.md rule files that set repo conventions.
- Verify agent output through test loops and line-by-line review before merging, and rewrite or reject changes that don't meet the repo's conventions or security rules.
- Keep secrets and client data out of prompts, and personally review all auth, billing, and payment code.

WORK EXPERIENCE

Firmwide — PriceEstimator.ai

Full-Stack Engineer, May 2026 – Present, Remote

- Primary engineer for a project-fee estimation and billing platform built with React, TypeScript, Express, MongoDB, and Redis.
- Built REST APIs with Express 5, Mongoose, Redis, JWT, and Zod for enquiries, proposals, invoicing, authentication, and user management.
- Implemented Microsoft Graph API integration, role-based access control, OTP-based invitations, and Socket.IO real-time notifications.
- Built the proposal-to-invoice workflow covering enquiry intake, project scoping, proposal generation, multi-currency invoicing, and PDF export.
- Architected a domain-driven React frontend (~450 TypeScript files) and established GitHub Actions CI/CD with multi-stage Docker and Nginx deployments.

SmartCrowd

Dubai, UAE (Remote), Dec 2022 – Apr 2026

- Developed React/Redux features integrating 5+ financial APIs across investment, portfolio, and transaction workflows.
- Reduced initial frontend load time by 30–45% through code-splitting, lazy loading, and legacy component optimization.
- Led delivery of the Share Transfer Facility and built 20+ reusable components, reducing duplicated UI implementation by ~35%.

TECHNICAL SKILLS

- **AI Tooling:** Claude Code, Cursor, Codex, prompt and context engineering, OpenAI/Ollama APIs
- **Languages:** TypeScript, JavaScript (ES6+)
- **Frontend:** React, Next.js (App Router, SSR/SSG), Redux Toolkit, TanStack Query, React Hook Form, Tailwind CSS, Vite
- **Backend:** Node.js, Express, REST API design, Socket.IO, BullMQ, JWT, OAuth, Zod, Mongoose
- **Databases:** PostgreSQL (schema design, indexing, transactions, row-level locking), MongoDB (indexing, aggregation), Redis (caching, sessions, queues)
- **Engineering and Testing:** OOP, SOLID, design patterns, code review, Agile/Scrum, Node.js test runner, Playwright
- **DevOps & Observability:** Docker, GitHub Actions, Nginx, AWS (ECS, EC2, ECR, Lambda, CloudWatch), Terraform, Sentry, Prometheus/Grafana

NOTABLE PROJECTS

- **AI SQL Assistant** · **GitHub**: Built a full-stack PostgreSQL tool that turns plain-English questions into validated, read-only SQL with explanations. Fastify backend with schema introspection, OpenAI/Ollama integration, and an offline fallback. AST-based safety checks reject any generated SQL that isn't a safe read-only query. Next.js frontend with results view, schema browser, and connection management. Runs with Docker, migrations, and seeded datasets.
- **SmartJobHub: CI/CD and AWS platform for a job portal** · **GitHub:** Wrote Terraform modules for VPC, ALB, ECS Fargate, ElastiCache, Secrets Manager, and CloudFront, with matching staging and production environments.Built GitHub Actions pipelines (tests, Docker build, Trivy, CodeQL) and versioned deploys: staging first, then the same image to production after approval. Used GitHub OIDC instead of static AWS keys; ECS circuit breaker rollback, smoke tests, and autoscaling make deploys safe. Set up CloudWatch alarms to SNS, budget alerts, Sentry, and Prometheus, Loki, and Grafana; wrote the runbook, 9 ADRs, and a backup restore drill.
- **Real-Time Inventory Reservation System (Jenkins CI/CD)** · **GitHub**: Built a concurrency-safe, real-time inventory reservation system (Express/Prisma/Socket.IO, React/Vite, pnpm monorepo) preventing overselling via row-level DB locking and transactional reservations with automatic expiry. Built a Jenkins pipeline (webhook-triggered, multi-stage Docker builds, integration tests, automated deploy and smoke tests) self-hosted on AWS EC2 behind Nginx.
- **AWS and DevOps Projects:** EKS/Kubernetes · Terraform AWS Infrastructure

EDUCATION

Mawlana Bhashani Science and Technology University

B.Sc. in Information and Communication Technology, CGPA 3.53 out of 4.00 | Feb 2017 – Dec 2022