Neel Shah

Senior Software Engineer

shahneel1562@gmail.com
+91-9033217044
Neel Shah

Senior Full-Stack Engineer with over 5 years of experience architecting end-to-end web applications across JavaScript/TypeScript and Python ecosystems. Expert in the MERN/Next.js stack, specializing in complex data modeling, custom authorization systems, and enterprise-level ERP and SaaS solutions. Adept at managing cloud infrastructure (AWS), optimizing high-volume databases (MySQL/MongoDB), and mentoring engineering teams to accelerate delivery cycles.

EXPERIENCE

Elevation Services - Senior Software Engineer

June'25 – Present

- Senior full-stack engineer on an enterprise ERP platform, working across a Next.js and TypeScript front end, Node.js and Express services, and a Python FastAPI layer bridging a legacy data source.
- Built a dual-write adapter layer with rollback support, enabling an incremental migration from a legacy database onto MongoDB rather than a single high-risk cutover — including per-entity field mapping, retry logic that distinguishes retryable from terminal failures, and standardised error handling across adapters.
- Designed and own the authorisation architecture as standalone, framework-agnostic packages — a JWT middleware and a centralised policy engine supporting hierarchical permissions, step-up verification, delegated approvals, and scoped temporary access grants.
- Built the second-generation component library from scratch — design tokens, the full form-control set, Storybook documentation, and DOM and compiled-SCSS test suites — now the shared foundation for multiple application teams.
- Implemented core inventory and distribution workflows end to end across API, service layer and UI, covering branch transfers with shipping-status transitions, kit explosion, barcode handling, and Excel import/export.
- Established platform observability — a structured logging schema with configurable redaction, Prometheus metrics endpoints with HTTP instrumentation, and complete API collections covering every module.

Key Achievements:

- Eliminated the need for a single-cutover database migration, allowing the platform to move core entities incrementally with rollback at every step.
- Authorisation packages adopted as shared infrastructure across the platform rather than living inside a single application.

AppVentory - Software Engineer

April'24 – June'25

- Spearheaded the development of a comprehensive accounting software **(AppVentory)**, from initial concept to market launch, designed to cater to small and medium-sized businesses.Developed the front-end using React and built the back-end using Node.js and MySQL, deployed on AWS EC2 for scalable infrastructure.
- Built serverless solutions using AWS Lambda, Cognito for authentication, and S3 for file storage, ensuring scalability and security.
- Integrated AWS CloudWatch for real-time monitoring and performance insights.
- Conducted code reviews and participated in daily stand-ups to ensure consistent code quality and team alignment.

Key Achievements:

- Delivered the product to market in just 4 months, collaborating with cross-functional teams to meet tight deadlines.

AutoDap - Engineer Software Developer

August'21 – March'24

- Built and maintained VISOEA and VISOEP, Data-as-a-Service products, in TypeScript on LoopBack 4 — designing the data models, APIs and endpoints that gave clients structured access to their data.
- Designed and optimised MySQL schemas around one-to-many and many-to-many relationships, tuning queries against tables holding 1–2M rows and adding a Redis caching layer over the hottest read paths.
- Implemented authentication and authorisation across the platform, with validation and error-handling strategies to protect data integrity.
- Documented APIs, data models and architecture decisions to shorten onboarding, and mentored junior developers through code review.

Key Achievements:

- Reduced data retrieval latency by 70% through query optimisation and caching strategy.
- Recognised for consistent code quality and for driving engineering best practices within the team.

Gateway Group Of Companies - Project Trainee

November'20 – July'21

- Built internal web applications — a service calculator, a weather app, and a product demo portal — across React, AngularJS and Node.js.
- Worked across PostgreSQL, MariaDB and MySQL, and handled deployments to AWS, Heroku and PM2.

EDUCATION

BTech - (IT)
2017-2021 CGPA: 9.39
A.D.Patel Institute of Technology,Gujarat

HSC (Science)
2015-2017 PR: 83.35
D N High School, Gujarat

SSC
2014-2015 PR: 96.97
D N High School, Gujarat

SKILLS

- **Programming Languages :**
  - TypeScript, JavaScript (ES6+), Python
- **Frontend**:
  - Next.js, React, Redux Toolkit, Tailwind CSS, SCSS, Storybook, AngularJS
- **Backend**:
  - Node.js, Express.js, LoopBack 4, FastAPI, Django, REST APIs, JWT, RBAC
- **Databases**:
  - SQL, MongoDB, MySQL, MariaDB, PostgreSQL, Redis
- **Cloud & DevOps**:
  - AWS (EC2, Lambda, S3, Cognito, CloudWatch), Docker, CI/CD, Prometheus/Grafana/Loki, Git, Postman/Bruno
- **AI Engineering**:
  - LLM API integration (Claude, Gemini, OpenAI), AI agent design, agentic workflow orchestration, prompt engineering, structured output extraction

PROJECTS

AI-Powered Development Workflow Automation

Claude Cowork, MCP (Atlassian, Figma), Jira, Node.js

- Built an agentic automation system that polls Jira for newly assigned Bug and Task tickets, pulls linked Figma designs via MCP connectors, and produces structured triage output without manual intervention.
- Architected it as two separate workflows — an unattended scheduled triage flow and a human-triggered implementation flow — with two mandatory approval gates before any code change, ensuring no autonomous commits.
- Authored reusable SKILL.md and config.md specifications so the workflow could be configured per project and adopted across repositories.
- Extended the system with a standardised PR review workflow that validates diffs against the repo's own architecture and folder-structure documentation, generating prioritised P0–P3 findings with exact file paths and line numbers.

TheFifthCusp

Astrology & Spiritual Services Platform · Next.js, React 19, TypeScript, Express, Razorpay

- Built a full three-surface platform end to end — public brand site, operations admin, and the API behind both — as sole engineer.
- Designed a polymorphic booking flow serving eight distinct service verticals through a single schema and checkout path, avoiding duplicated logic per vertical.
- Integrated Razorpay checkout and calendar-backed consultation scheduling, covering the order lifecycle from payment through booking confirmation.

CERTIFICATIONS

Machine Learning - Coursera · AWS Fundamentals - Coursera · Google IT Support - Coursera