

Nawaz Pasha

Senior Full Stack Developer

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Profile

Senior Full Stack Developer with 5+ years of experience building production-grade applications across AI, healthcare, fintech, education, and enterprise SaaS domains. Builds React/Next.js frontends, Node.js/Python backends, and AWS cloud systems across product discovery, implementation, deployment, and production optimization. Experienced in owning full-stack delivery end-to-end, mentoring engineering teams, and translating complex business requirements into scalable software.

Experience

Meriters / Boston Adaptive Learning Systems LLP, Lead Full Stack Developer

05/2024 – 12/2025

Service-based engineering company delivering FinOpsly, a cloud cost optimization SaaS, and EmployAbility.AI, an AI-powered career platform.

Bangalore, Karnataka

FinOpsly — Cloud Cost Optimization SaaS

Enterprise platform consolidating AWS, Azure, Snowflake, and organizational cost data for finance and engineering teams.

- Architected the Total Cost of Ownership module consolidating cloud, HR, software licensing, and overhead costs into automated chargeback reports, replacing a month-long manual reporting workflow.
- Built right-sizing recommendation dashboards using AWS CloudWatch, Datadog, and Snowflake data across 10,000+ EC2 instances to surface compute optimization opportunities.
- Designed unified tag management framework for AWS cost attribution and implemented savings plan analytics to identify 15–20% wasted reservation spend.

EmployAbility.AI — AI-Powered Career Platform

AI career platform covering mock interviews, coding mentorship, system design practice, and employer-side hiring automation.

- Engineered AI mock interview engine with a custom React STT-to-LLM-to-TTS pipeline, reducing per-interview cost by 50–60x compared with real-time APIs.
- Integrated browser-based Kokoro TTS, an 82M-parameter open-source model, eliminating third-party TTS API dependency while preserving conversational flow.
- Built AI-assisted DSA learning and employer hiring workflows covering contextual coding hints, bulk resume screening, interview invites, candidate ranking, and assessment reports.

Blue Mandarin / VerBronnen Consultants Pvt. Ltd., Senior Full Stack MERN Developer

09/2023 – 05/2024

Product engineering role across healthcare workflow and AI user research platforms for international client and SaaS delivery.

Bangalore, Karnataka

Deutsche Aligners — Dental Lab Management System

Healthcare workflow platform connecting dental clinics and laboratories through intake, 3D treatment planning, approval, and order tracking.

- Engineered Three.js-based 3D visualization player rendering STL/OBJ/MTL dental models with frame-sequenced animation across 11+ week treatment timelines.
- Architected AWS S3 pre-signed URL delivery with Transfer Acceleration and client-side chunked uploads for 2–3GB model timelines, eliminating server memory bottlenecks.
- Optimized rendering with Web Workers and IndexedDB caching, reducing browser memory consumption by 60% on standard clinic workstations.

Persona Chat — AI-Powered User Research Platform

AI user research SaaS for generating personas, simulated interviews, surveys, and research artifacts.

- Integrated OpenAI GPT models with RAG, vector embeddings, and semantic search to generate persona-specific research responses from survey repositories and web context.

- Built full-stack MVP across persona generation, AI-moderated chat interviews, survey question generation, and research workflow artifacts within a 3-month delivery window.

Cumin 360 Technologies, Full Stack Engineer

10/2021 – 09/2023
Bangalore, Karnataka

Education technology company building school ERP and financial management platforms across frontend, backend, and deployment workflows.

FeeOn – School Financial Management Platform

Financial management system covering fee structures, collections, receipts, reporting, admissions, and student lifecycle workflows.

- Built FeeOn platform deployed across 25+ schools and colleges serving 25,000+ students, covering collections, receipts, reports, and role-based access.
- Engineered dynamic discount distribution workflow that recalculates monthly installments as admins edit individual fields, with safeguards against infinite update loops.

School ERP Dashboard Refactoring

Modernization of a legacy Angular dashboard for the GrowOn product ecosystem.

- Refactored large-scale Angular 9 dashboard into modular components and improved load performance through lazy loading, code splitting, and optimized change detection.
- Modernized deployment workflow to GitHub Actions CI/CD pipelines for frontend and backend applications, with AWS EC2 and Elastic IP management.

Saturn Technologies, Full Stack Developer

10/2020 – 10/2021
Bangalore, Karnataka

Delivered full-stack web applications and e-commerce platforms for SMB clients across India and Dubai.

- Built e-commerce platforms with Stripe, PayPal, and Razorpay integrations, inventory management, order tracking, and customer-facing checkout flows.
- Owned end-to-end delivery from requirements gathering to development, deployment, maintenance, and performance optimization across client business workflows.

Projects

Portfolio GPT

Interactive portfolio platform with a GPT-style interface that provides conversational access to career history, project experience, skills, and contact information.

- Built a chat-first portfolio experience that lets visitors explore work history, technical depth, and professional context through natural language instead of static navigation.
- Integrated a RAG-based retrieval flow to ground responses in resume and career knowledge, improving answer relevance and keeping career-related queries context-aware.
- Designed guided prompt cards and a streamlined messaging UI to help recruiters quickly access skills, experience, education, and contact details from a single interface.

Dineout

Restaurant order management platform for QR-based table service and live kitchen operations.

- Implemented QR code based table ordering, real-time order tracking, and live kitchen portal updates through WebSockets.
- Delivered the platform on a MEAN stack architecture spanning customer ordering flows and kitchen-side operations.

Skills

Frontend: React, Next.js, TypeScript, JavaScript, Angular, Vue.js, Tailwind CSS, Redux, Zustand, Shadcn UI, Three.js, HTML5, CSS3

Backend: Node.js, Express.js, Python, REST APIs, WebSockets

AI/ML: OpenAI GPT models, RAG, Vector Embeddings, Semantic Search, LLM Cost Optimization, Prompt Engineering, Browser-based TTS, Speech-to-Text

Cloud and DevOps: AWS (S3, EC2, Lambda, CloudWatch, CUR, Pre-signed URLs, S3 Transfer Acceleration), Azure, GitHub Actions CI/CD, Snowflake, Web Workers

Databases: MongoDB, Redis, MySQL, Snowflake, IndexedDB

Education

HKBK Degree College, Bachelor's in Computer Applications