

OSAMA HABIB

Full Stack Engineer | Next.js, TypeScript, Node.js, FastAPI, Stripe

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PROFESSIONAL SUMMARY

Full Stack Engineer with 2 years' experience shipping production SaaS end to end, from UI to APIs to deployment, with Next.js, TypeScript, Node.js and FastAPI. Own the Stripe subscription system at an Australian mentorship SaaS, where I also rebuilt the frontend with server-side rendering and led the technical SEO overhaul. Shipped features across 6 live platforms covering subscription billing, real-time WebSocket systems, role-based admin tools and LLM integrations.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python

Frontend: Next.js, React, Tailwind CSS, Context API, Framer Motion

Backend: Node.js, Express.js, FastAPI, REST APIs, WebSockets (Socket.io),

Databases: PostgreSQL, MongoDB, Supabase,

Payments: Stripe (Subscriptions, Checkout, Webhooks, Usage-Based Billing), PayPal

AI / LLM: Groq (Llama), Gemini API, LLM API Integration, Prompt Engineering

Performance & SEO: Server-Side Rendering, Core Web Vitals, JSON-LD Structured Data, Technical SEO

DevOps & Cloud: Docker, CI/CD, VPS Deployment, Vercel, Render, AWS (IAM, VPC, EC2, S3, RDS, ECR, ECS, ALB, CloudWatch, Route 53, CloudFront).

Tools: Git, GitHub, Postman, Jira

WORK EXPERIENCE

Emergi Mentors Pty Ltd | Australian mentorship SaaS platform

Full Stack Developer

Jan 2025 - Present

- Rebuilt the platform frontend in Next.js 14, TypeScript and Tailwind CSS, moving to server-side rendering to reduce initial load time, improve Core Web Vitals and deliver a fully responsive UI.
- Own end-to-end Stripe billing: plan management, Checkout sessions, cancellations, usage-based metering and webhook handling across the full subscription lifecycle.
- Designed and built FastAPI backend APIs for 5 core modules: Job Board, Job Tracker, Purchase History, Usage Tracking and Subscription Management.
- Led the technical SEO overhaul (SSR, JSON-LD structured data, automated sitemaps), fixing poor search indexing and improving organic search visibility.
- Work directly with product and backend teams in fast sprint cycles, taking features from design through to production.

Zendev Studios Pvt Ltd | FinTech and prop-trading software (remote)

Junior MERN Stack Developer

Oct 2024 - Feb 2025

- Promoted from intern to developer within 2 months based on delivery speed and code quality.
- Built full-stack MERN features (MongoDB, Express, React, Node.js) for prop-trading dashboards and account management systems used by prop firms across CFD, Forex and Futures markets.
- Developed REST APIs for account funding, evaluation rules and payout workflows.
- Collaborated with senior developers through Git-based workflows, keeping frontend and backend data flow reliable across multiple client projects.

PROJECTS

Wheelyst | Anonymous vehicle and pet contact SaaS

Live: wheelyst.com

- Owned the backend end to end: built the complete Node.js/Express API and contributed to the Next.js frontend for a privacy-first SaaS that enables anonymous contact through QR codes.
- Engineered real-time scan alerts (Socket.io), an anonymous messaging relay, QR code generation and scanning, and a voice-calling feature.
- Integrated Stripe subscription tiers (Starter, Pro, Fleet) and built an enterprise fleet-management module for B2B clients.

Super Engineer | SaaS for security alarm engineers

Live: app.superengineer.com

- Built the FastAPI backend with user profile management, organisation features and subscription-based access control.
- Implemented full Stripe integration: checkout plans, subscription lifecycle, payment receipts and payment history.
- Engineered team management with reserved seat assignments and role-based access tied to the active subscription tier.
- Integrated transactional email notifications for payment and user-activity events.

BexChange | Currency exchange platform

Live: bexchange.io

- Developed the Next.js/TypeScript frontend and Node.js/Express backend for account management, deposits, withdrawals and exchange operations.
- Built manual deposit-approval workflows and a role-based admin operations layer for different admin types.
- Implemented a two-way ticketing system and real-time support chat using WebSockets.

PrepAI | AI exam and interview prep SaaS

Status: *In development*

- Building a full-stack AI prep platform (Next.js, FastAPI, PostgreSQL, Supabase, SQLAlchemy) for government exams, academic tests and tech interviews.
- Integrated Groq/Llama to generate MCQ and Q&A tests with automatic evaluation, scoring, feedback and result history.
- Implemented JWT auth, role-based access, Stripe Free/Pro subscriptions and progress analytics dashboards for students and academies.

Boat Seat Reservation System | Cruise admin platform

Live: ship-reservation-system.vercel.app

- Built an admin-focused seat reservation system with interactive deck maps, real-time seat assignments and passenger management.
- Implemented role-based workflows, bulk operations, statistics dashboards and PDF generation for complete passenger lists.
- Designed a modular architecture with custom hooks for seat-state management and caching.

Tayyab Builders & Construction | Business website

Live: tayyabbuildersandconstruction.com

- Built a multi-page Next.js website (Home, Services, Projects, About, Contact) with 6 service pages, a projects portfolio and a lead-generation contact flow with WhatsApp CTA.
- Implemented SEO best practices (structured metadata, Open Graph tags, JSON-LD schema, canonical URLs) targeting local search visibility in Multan.

- Delivered a mobile-responsive layout with Tailwind CSS and Next.js image optimisation.

Additional projects: Algos Field, PropTech and FinoSharp, with details at osamahabib.com

EDUCATION

BS Software Engineering | COMSATS University Islamabad

2020 - 2024