

MUHAMMAD UMAIS USMAN

Senior Full-Stack Developer · Product Engineer — AI-Leveraged, Stack-Flexible

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SUMMARY

Senior Software Engineer at Sundial Tech and Founder/CEO of Zynex Solutions, with nearly 5 years of experience shipping production web products end-to-end. Core production stack: Next.js, React, TypeScript, Node.js and PostgreSQL (MERN, Prisma, Supabase) — stack-flexible by design: I deliver across languages and frameworks through AI-assisted development (Cursor, Claude Code) paired with targeted research. I build SaaS platforms, AI-integrated products (OpenAI, Claude and Gemini APIs), Chrome extensions and automation tools — including a production e-commerce marketplace, a multi-repo LMS platform, an AI career platform and a commercial Instagram engagement-automation extension. Experienced in REST API design, authentication, payment integration and CI/CD delivery in Agile/Scrum teams.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript (ES6+), HTML5, CSS3 · Python (AI-assisted delivery)

Frontend: React.js, Next.js (App Router, Server/Client Components), Redux Toolkit, Context API, Tailwind CSS, Material UI, Bootstrap, Vite

Backend: Node.js, Express.js, NestJS, REST API design & integration, JWT, OAuth & Firebase Authentication

Databases & Data: PostgreSQL, MongoDB, Prisma, Mongoose, Supabase, Redis, Qdrant (vector search)

AI & LLM Integration: OpenAI / Claude / Gemini APIs, LangChain, prompt engineering, embeddings & semantic search, AI chatbots

Products & Platforms: SaaS platforms, Chrome extensions (Manifest V3), payment integration (Stripe, PayFast), workflow automation & bots

DevOps & Tools: Git, GitHub, CI/CD pipelines, Jest (unit & e2e testing), Vercel, Netlify, Heroku, AWS S3 (basics), Jira, Postman, Agile/Scrum

PROFESSIONAL EXPERIENCE

Senior Software Engineer (Full Stack)

Nov 2024 — Present

Sundial Tech — Lahore (Hybrid)

- Upgrade, optimize and maintain **SundialHome.com**, a production e-commerce marketplace for home décor and furniture built with Next.js.
- Deliver performance and UX improvements across the stack — Next.js, React, TypeScript, Node.js and PostgreSQL — with secure authentication and scalable application architecture.
- Collaborate with cross-functional teams in an Agile environment to ship production-ready features.

Founder/CEO & Lead Engineer

Sep 2024 — Present

Zynex Solutions — Technology Institute & Software Services (zynexsolution.com)

- Founded and run Zynex Solutions; own product direction and engineering across in-house products and client software services.
- Lead development of the Zynex platform — a multi-repo system (public site, LMS frontend, REST API, admin panel) covering courses, batches, video lessons, installment payments and an AI chatbot for student and client enquiries.
- Ship standalone products under Zynex, including the AI Instagram Engagement Scheduler Chrome extension (see Projects).

MERN Stack Developer & Trainer

Jan 2025 — Present

Zynex Solutions

- Deliver MERN stack training from core concepts to advanced topics, mentoring students through hands-on, project-based learning.

- Develop and update course materials aligned with industry best practices and emerging technologies.

MERN Stack Developer

Jan 2024 — Dec 2024

SoftTechPanel

- Developed full-stack web applications using the MERN stack, optimizing API integrations for smooth backend communication.
- Built dynamic, responsive UI components with React.js, improving usability and overall user experience.

MERN Stack Developer

Dec 2022 — Jan 2024

EVS Training IT Institute

- Delivered full-stack training and mentorship while engineering production web solutions with MongoDB, Express.js, React.js and Node.js.
- Integrated third-party APIs for extended functionality and designed responsive layouts for optimal user experience.

SELECTED PROJECTS

- **AI Instagram Engagement Scheduler** (Chrome Extension — Manifest V3 · React, TypeScript, Vite) — Commercial product that automates scheduled, organic Instagram engagement with AI context generated via the OpenAI and Gemini APIs. A background service worker runs an alarm-driven queue engine, content scripts interact with Instagram pages, and a React popup UI handles configuration; iterated to v2.2.38.
- **SundialHome** (Next.js, TypeScript, PostgreSQL) — Production e-commerce platform for home décor & furniture; ongoing upgrades, new feature implementation and performance optimization.
- **Zynex Solutions Platform** (Multi-repo · React, TypeScript, Node.js/Express, MongoDB) — Institute and services platform spanning a public site, an LMS frontend (courses, batches, course outlines), a REST API with PayFast payments and installment handling, video lesson management, an admin panel and an integrated AI chatbot.
- **CareerForge AI** (Next.js, NestJS, LangChain, Qdrant, Supabase) — AI career platform with a job board, AI resume tools, mock-interview practice, skills and learning paths, a portfolio builder, chat and subscription payments. The NestJS API orchestrates OpenAI/Gemini features through LangChain with Qdrant vector search, backed by a Next.js frontend.
- **Oheo** (React, Redux Toolkit, Node.js/Express, MongoDB, Stripe) — Business platform with separate client app, API and admin panel: business profiles, JWT authentication plus social login (Google, Facebook, Apple), Stripe payments and a chart-based admin dashboard.
- **Pak Classified** (MERN) — Nationwide car advertisement platform with secure JWT authentication, ad posting with images, and advanced category/region search filters.

EDUCATION & CERTIFICATIONS

BSc Computer Science — Virtual University of Pakistan (2022 — in progress, expected 2027)

Intermediate, Computer Science — Punjab Group of Colleges (2019 — 2021)

Certifications (EVS Institute): Complete MERN Stack Web Development · React - The Complete Guide · Complete Node.js Developer

ADDITIONAL

Languages: English (fluent), Urdu (native). Open to remote opportunities worldwide. Builds custom tools, Chrome extensions and automation bots alongside product work. More projects: github.com/umaisusman