

Ameer Hamza

Punjab, Pakistan

+923067006367 | hamzamakhdoom786@gmail.com | LinkedIn | Github

Seasoned software engineer with 6+ years building AI-driven SaaS. Scaled GPT/Next.js apps to 50k+ MAU and shipped an AI presentation product with 121k+ generated decks. Deep in TypeScript/React/Next.js, Python/Node, Postgres, System Design, LLM orchestration, and RAG—shipping fast, safe UX in regulated and enterprise settings.

WORK EXPERIENCE

Accuracy

Senior Software Engineer Consultant

Dubai, United Arab Emirates | Sep 2025 - Present

- Leading development of MERN stack application for the healthcare sector and BI applications. Microservices and much more.
- Orchestrated Docker containerization of the MERN stack application, ensuring consistent environments across development, testing, and production stages.
- Engineered compliant flows and data handling to reduce risk of non-compliance while meeting performance targets.
- Partnered with PM/design to deliver MERN features that improved measured UX and accelerated time-to-market in a healthcare enterprise (HIPAA-aligned).
- Defined acceptance criteria and instrumentation for front-end features, lifting user-satisfaction signals and closing feedback loops faster.

Maiv Ltd

Software engineer

Bishop's Stortford, United Kingdom | Dec 2024 - Aug 2025

- Engineered the system architecture for AI-driven content generation, integrating GPT APIs with Next.js and Sanity CMS to ensure efficient data flow and communication across components.
- Led development of Next.js AI applications using GPT APIs for content generation and SEO-focused blogging (Sanity CMS).
- Onboarded and mentored new engineers; introduced standards that reduced bug reports ~35 Optimized infra to cut per-user cost ~15% while maintaining reliability during growth.
- Improved app performance ~50% and supported 20k+ monthly users. Reduced LLM response latency p95 by ~35% (4.2s → 2.7s) via prompt compression + caching.

NextPak agile solutions

Web application developer

Rawalpindi, Pakistan | Aug 2022 - Dec 2024

- Mentored early engineering team members, raising platform stability and review quality.
- Collaborated cross-functionally in Agile sprints to iterate rapidly on customer-visible features.
- Built airline ticketing with real-time seat selection and payments; reduced checkout abandonment by ~5% through UX and flow optimizations.

Setway Solutions

Software developer

Sargodha, Pakistan | Oct 2020 - Jul 2022

- Developed backend services for CRM and enterprise features using .NET; implemented REST APIs and data models for internal and client-facing apps.

SKILLS

Databases: PostgreSQL, MySQL, MariaDB, MongoDB, Supabase, Firebase

Frameworks: TypeScript, NextJS, Python, Tailwind CSS, React JS, Node JS

Cloud: Firebase, Heroku, Vercel, Micro Services, AWS ECS, Azure AppService, Hetzner Console, Amazon EC2, AWS Lambda

Skills: React Hooks, React Redux, Git, GitHub, GitLab, Git Desktop, Stripe Payments, AI Agents, LLM's API integration, Posthog Analytics, Postman, Paypal integration, MailerLite Email Marketing, Ollama, Redis

PROJECTS

Presentia — Prompt-to-PowerPoint AI Platform

Dec 2024 - Aug 2025

Situation: Professionals and students were spending hours crafting decks from scratch. Presentia needed a production grade AI presentation maker that could turn a topic or an uploaded document into a polished PowerPoint fast, with template/style controls and AI visuals (e.g., PDF/DOCX/TXT ingestion, AI Images, Template & Style).

Task: Ship an end-to-end, scalable SaaS that Generates full presentations from prompts or uploaded documents, supports styling/themes and AI-assisted imagery, delivers low-latency “generate in seconds” UX, and reliably handles growing usage (the platform showcases 121k+ presentations generated).

Action: Architected the AI slide-generation pipeline: document parsing (PDF/DOCX/TXT) outline slide content image prompts final deck assembly. Built services for template & style selection, content formatting, and export to presentation files, ensuring consistent layouts and brandable themes. Optimized prompt orchestration, caching, and concurrency controls to keep interactive generation snappy (target: seconds-level response for typical presentation), with observability and autoscaling for traffic spikes. (Engineering contribution) Implemented quality gates (content linting, slide structure rules), rate limiting, and secure file handling for uploads. (Engineering contribution)

Result: Delivered a fast, reliable AI presentation generator that creates professional decks in seconds and from uploaded documents complete with AI images and style controls meeting the product’s experience promise and supporting ongoing usage growth (121k+ decks generated showcased on site).

Impact: Dramatically reduced time-to-deck for users (from hours to minutes/seconds), improved presentation quality and consistency via templates/styles, and enabled the business to scale adoption with a streamlined, self-serve workflow backed by strong user testimonials.

Kidsgo - Custom RAG Chatbot & AI Advertisement Engine

Nov 2024 - Present

Situation: Kidsgo, a high-traffic kids-courses platform with 10K daily visitors, needed smarter search, personalization, and better ad performance.

Task: Improve content discovery and build an intelligent system that boosts user engagement and ad relevance.

Action: Designed and built a custom RAG-based AI chatbot answering course and parenting queries in real time. Developed Europe’s first AI-driven advertisement engine tailored for kids-course providers. Integrated AI search and ads deeply with Kidsgo’s back-office CMS, enabling live content updates and instant metadata sync. Optimized retrieval pipelines, embeddings, and indexing for high-volume content.

Result: Delivered intelligent, personalized discovery that increased search relevance and user interaction across the site.

Impact: Improved user satisfaction and significantly enhanced monetization capability on a 10K/day organic platform.

GroundSync — Aviation & Logistics Real-Time Operations Platform

Aug 2024 - Present

Situation: Airports, airlines, and logistics operators lacked a shared real-time system for ground operations.

Task: Build a transparent, multi-stakeholder collaboration platform with real-time events, integrations, and data consistency.

Action: Developed using NestJS, ReactJS, and PostgreSQL, supported by microservices and event-driven architecture. Implemented modules for flights, tasks, SLAs, turnaround operations, real-time alerts, and geo-task tracking. Integrated with external airport systems (Stuttgart, Frankfurt and Vienna) and airlines (Ryanair and Lufthansa Cargo). Designed dashboards for airlines, handlers, and airport managers.

Result: Unified platform offering complete operational visibility and improved coordination.

Impact: Reduced delays, minimized disputes, and improved operational efficiency across aviation stakeholders.

Travos - Travel & Hospitality SaaS Platform

Jan 2023 - Jul 2024

Situation: Travel agencies, hotels, and sellers struggled with fragmented systems for reservations, pricing, and operational management. Task: Create an end-to-end SaaS platform unifying booking workflow, pricing logic, and seller dashboards.

Action: Built the platform using Node.js, Vue.js, and a microservices architecture supporting multiple sellers/agencies. Implemented modules for reservations, dynamic pricing, operations, and reporting. Designed secure multi-tenant architecture enabling hotel chains and agencies to manage data independently. Integrated calendars, payment workflows, availability engines, and role-based dashboards.

Result: Delivered a scalable SaaS solution enabling multiple travel partners to manage day-to-day operations from a unified platform.

Impact: Significantly reduced operational overhead and improved organizational efficiency for agencies and hotels.

EDUCATION

University of Sargodha

SARGODHA

Bachelors of Science - Software Engineering - CGPA: 2.65

Sep 2016 - Sep 2020

CERTIFICATIONS

Scientific computing with Python | freecodecamp.org

Aug 2024 - Present

Fundamentals of Python as a Modern Scientific Computing Language