

Ali Hassan

Senior Full Stack Developer | AI Engineer
alihexan@gmail.com | +92 311 5427994 | LinkedIn | GitHub

Professional Summary

Senior Full Stack Developer and AI Engineer with 7+ years of experience building production-grade web and mobile platforms for clients across the United States, United Kingdom, Australia, and the Middle East. Expert in the modern JavaScript and TypeScript ecosystem (React, Next.js, Node.js, NestJS, React Native), with deep command of cloud architecture on AWS and Azure, microservices, and CI/CD. Specialized in production AI systems, including conversational engines, AI-powered chatbots, generative AI features, and Vapi voice assistants. Proven record of leading distributed teams, shipping enterprise authentication and payment integrations, and turning ambiguous business problems into reliable, well-engineered software.

Technical Skills

Languages: JavaScript, TypeScript, Python, SQL, HTML5, CSS3
Frontend: React.js, Next.js, React Native, Redux, Tailwind CSS, Material UI, Server-Side Rendering
Backend: Node.js, NestJS, Express.js, REST APIs, GraphQL, Microservices, Event-Driven Architecture
Databases: PostgreSQL, MongoDB, MySQL, Cosmos DB, Redis, Mongoose, Sequelize, Prisma
Cloud and DevOps: AWS (EC2, S3, RDS, Lambda, Elastic Beanstalk), Azure (Pipelines, Blob Storage, Cosmos DB), DigitalOcean, Railway, Docker, CI/CD, GitHub Actions, Azure DevOps, Vercel, Cloudflare
AI and Automation: Generative AI, Conversational Engines, AI-Powered Chatbots, OpenAI APIs, Vapi Voice AI, Custom Sales AI Assistants, Prompt Engineering
Integrations and Security: Stripe, PayPal, Twilio, Auth0, Azure Active Directory, Facebook API, Google APIs, Apple and Google In-App Subscriptions, OAuth 2.0, JWT
Practices: Agile, Scrum, Code Review, Unit and Integration Testing, Technical Documentation, System Design

Professional Experience

FourthD Inc.

Jul 2023 – Present

Full Stack Developer

Remote

- Lead end-to-end development of scalable, secure web and mobile platforms across both frontend and backend stacks, owning architecture decisions for diverse client engagements.
- Built generative AI features and Vapi-powered conversational bots, including custom AI sales assistants that lifted lead qualification and engagement by over 25%.
- Architected microservices-based backend systems with React, NestJS, Node.js, TypeScript, and Express, enabling modular, independently deployable services with improved release velocity.
- Developed responsive, high-performance Next.js web apps and React Native mobile apps with optimized SEO and 99.9% uptime targets.
- Implemented enterprise authentication using Auth0 and Azure Active Directory, meeting strict security and single sign-on compliance standards.
- Managed cloud infrastructure on Azure (Pipelines, Blob Storage, Cosmos DB) and AWS (Elastic Beanstalk, EC2, RDS, S3), optimizing for cost, performance, and availability.
- Built CI/CD pipelines on Azure DevOps and GitHub Actions, reducing deployment time from hours to under 15 minutes and eliminating manual release errors.
- Shipped cross-platform React Native apps for iOS and Android with in-app subscriptions, managing releases through TestFlight and Google Play Console.

HCR International (formerly EdgeLabs)

Mar 2023 – Oct 2023

Full Stack Developer

Remote

- Delivered end-to-end web and mobile applications using React.js, Next.js, React Native (Expo), NestJS, and Node.js across the full stack.
- Developed scalable backend services and RESTful APIs with server-side rendering and performance optimization for high-traffic production workloads.
- Integrated Redis caching and Docker containerization, reducing API response times by 35% and standardizing development, staging, and production environments.
- Deployed and operated services on AWS (EC2, S3, RDS, Lambda) and DigitalOcean, with frontends hosted on Vercel and Cloudflare Pages.

- Managed domains, DNS, and CDN configurations via Cloudflare, and implemented CI/CD pipelines for automated, zero-downtime deployments.
- Led development of flagship products including app.miindset.com (AI-powered mental well-being) and influenceNetwork.com (influencer management).

EdgeLabs

Apr 2022 – Mar 2023

Full Stack Developer

Remote

- Delivered end-to-end web and mobile projects using React.js, Next.js, and NestJS, applying clean architecture for maintainable, scalable codebases.
- Built RESTful and GraphQL APIs, integrated with MongoDB, PostgreSQL, and MySQL using Mongoose and Sequelize ORMs.
- Integrated third-party services including Stripe for payments and Twilio for SMS and voice, expanding application capabilities.
- Managed deployments on AWS (EC2, RDS, S3, Serverless), Vercel, Cloudflare, and DigitalOcean, with CI/CD via GitHub Actions and Azure Pipelines.
- Implemented Redis caching and authentication flows using Auth0 and Azure Active Directory.

Creative Heads

May 2021 – Apr 2023

Full Stack Developer (Part-Time)

Remote

- Delivered MERN stack (MongoDB, Express, React, Node.js) applications as Lead Developer, owning frontend and backend with strong test coverage via SonarCloud.
- Configured AWS infrastructure and integrated Zoho tools for CRM and business workflows, guiding architectural decisions across client projects.

BitSol Technologies

Jun 2020 – Apr 2022

Full Stack Developer

Islamabad, Pakistan

- Developed production-ready applications using Node.js, NestJS, and React.js, integrating third-party services and designing GraphQL APIs for improved data-fetching performance.
- Worked with MongoDB (Mongoose) and PostgreSQL (Sequelize), optimizing schemas and query performance for read-heavy workloads, and configured AWS cloud services for autoscaling.
- Shipped key client products including ipgen.io (IP management), ahoyoncall.com (healthcare), and bosss.com (business management).

ATechSight

Jul 2018 – Jun 2020

Full Stack Developer (Part-Time)

Remote

- Integrated third-party APIs including Facebook, Instagram, and Stripe, enabling social authentication, media ingestion, and secure payment processing.
- Delivered robust API layers with comprehensive error handling and retry logic, supporting reliable data flow for app.getspectacle.com, a social media automation platform.

Education

Quaid-i-Azam University, Islamabad, Pakistan

Sep 2015 – Jun 2019

Bachelor of Science in Computer Science

Chenab College Jhang, Jhang, Pakistan

2013 – 2015

Intermediate, FSc (Pre-Engineering)

Key Projects

Miindset | *React.js, NestJS, PostgreSQL, AWS, AI* | app.miindset.com: Mental well-being product with 24/7 AI-powered support services.

Lisa Law | *React Native, Node.js, AI* | play.google.com/lisalaw: AI-powered legal assistant providing 24/7 legal guidance, resources, and ready-to-send notices for everyday users (iOS and Android).

Stadium People Jobs | *React, Node.js, AI* | jobs.stadiumpeople.com: Event-staffing platform connecting U.S. stadiums with part-time staff via AI-driven recruitment, mobile shift scheduling, and integrated payroll tools.

Log.Fish | *React Native, Node.js, NOAA APIs, AI* | log.fish: Cross-platform fishing log with one-tap catch logging and AI-powered insights.

PNP Community (Careflair) | *Next.js, NestJS, PostgreSQL* | pnpcommunity.com.au: Australian NDIS directory connecting participants with registered service providers.

Influence Network | *React.js, NestJS, Next.js, AWS* | influence.network: Influencer management suite with Chrome extension, deployed on AWS Elastic Beanstalk.