

MOHAMMED ASLAM

Full-Stack Developer

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Summary

Full-Stack Developer with 2+ years of experience architecting and shipping AI-integrated web applications, scalable REST APIs, and real-time systems serving 10,000+ active users. Specialized in Node.js, React.js, Next.js, MongoDB, PostgreSQL, and Redis, with hands-on expertise in AI agent development (LangChain, LangGraph), cloud infrastructure (AWS ECS, Docker), and CI/CD automation (GitHub Actions). Proven track record of delivering 99.5%+ uptime, 30% faster query performance, and end-to-end system design in fast-paced Agile environments.

Skills

Languages & Core: JavaScript (ES6+), TypeScript, Python, HTML5, CSS3

Front-End: React.js, Next.js, Angular, React Native (Expo), Tailwind CSS, ShadCN, Chakra UI, Material UI, GSAP, Framer Motion, Three.js, React-Three-Fiber

Back-End: Node.js, Express.js, REST API Design, GraphQL, WebSockets, Microservices, JWT, OAuth 2.0, Drizzle ORM

Databases & Caching: MongoDB, PostgreSQL, MySQL, SQLite, Redis

AI & LLM: LangChain, LangGraph, Vercel AI SDK, Prompt Engineering, AI Agent Development

Cloud & DevOps: AWS (ECS, EC2, Fargate, S3, IAM), Docker, Kubernetes (basic), GitHub Actions, CI/CD, Vercel, Firebase, Appwrite

Testing & Methodologies: Jest, Cypress, Selenium, Agile/Scrum, Code Review, Microservices Design

Work Experience

BeSpoke AI Stylist Pvt Ltd

Sep 2025 – Present

Full-Stack Developer · Node.js, Express.js, MongoDB, Redis, WebSockets, LangChain, LangGraph

Remote

- Architected a modular Node.js/Express.js backend using layered system design to support 5 production AI features, serving **10,000+** active users with **99.5%+** uptime.
- Owned API design and data modeling for AI Stylist, Closet Ingestion, Flatlays Generation, Virtual Try-On, and Virtual Avatar; led **code reviews** across all features.
- Built stateful **AI agents** with **LangChain** and **LangGraph** for multi-step **LLM orchestration**, automating end-to-end pipelines and reducing manual workflow steps significantly.
- Deployed **containerized** services on **AWS ECS** (EC2 and Fargate) with **S3** asset storage, enabling independent per-feature scaling.
- Optimized **MongoDB** queries via indexing and Aggregation Pipelines, reducing query execution time by **30%** at scale.
- Implemented **WebSockets** and **Redis pub/sub** for real-time updates; applied exponential backoff retries to sustain **99.5%+ uptime**.

Ajna Inc

Feb 2024 – Aug 2025

Full-Stack Developer · React.js, Next.js, Three.js, PostgreSQL, Auth.js

Gujarat, India

- Built a modular browser interface with **React.js** and **Chakra UI** in **Agile/Scrum** sprints, improving user satisfaction scores by **10%**.
- Developed a 3D interactive product page using **Three.js** and **React-Three-Fiber**, reducing model load time by **5%**.
- Implemented **OAuth 2.0** and **JWT** authentication via **Auth.js**, reducing integration complexity by **25%**.
- Integrated an **AI chatbot** using the **Vercel AI SDK** with **PostgreSQL**-backed chat history, increasing session retention by **15%**.
- Led **code reviews** and **system design** sessions across sprints, reducing post-release bug rate by **20%**.

Projects

Real-Time Chat Application | Live | GitHub

2024

Next.js · Firebase Realtime Database · Chakra UI · SSR · WebSockets

- Architected a **WebSocket**-based real-time messaging system using **Firebase Realtime Database** and **Next.js**, supporting 50+ concurrent users with sub-200ms message latency.
- Applied **SSR** and lazy loading to reduce initial page load by **20%** and TTFB by **35%**; achieved Lighthouse performance score of **90+**.

Threads Clone | Live | GitHub

2024

Next.js · TypeScript · MongoDB · Server Actions · Webhooks

- Built a full-stack social platform with **Next.js App Router**, **Server Actions**, and **MongoDB**, handling nested threading and user feeds for 100+ test users.
- Implemented **webhook**-driven event sync, reducing data inconsistency errors by **40%**; optimized **MongoDB** queries cutting response time from 800ms to under **200ms**.

Education

GM Institute of Technology

Aug 2018 – Aug 2022

Bachelor of Engineering, Mechanical Engineering | GPA: 8.3/10

Davangere, India

Certifications

Full Stack Software Development Program – FACE Prep

Sep 2022 – May 2023

9-Month Intensive Certification | Python, DSA, REST APIs, Full-Stack Development

Remote