

# Mohammad Anas

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## SUMMARY

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Senior Engineer with 6+ years of backend and fullstack experience shipping production systems at Adobe and startups. Actively building in AI, from RAG pipelines to agentic tools and seeking a role where AI engineering is part of the work.

## EXPERIENCE

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### Computer Scientist

May 2021 – Present

*Adobe Inc*

*Noida, India*

- Led DCX.js, Adobe's asset version control SDK, serving millions of assets across Photoshop, Firefly, and Express; shipped Optimised Resource Links reducing payload by 30%.
- Built a bug reproduction agent on Slack using RAG with 4-layer indexing, auto-generates and pushes reproduction code to GitHub, cutting developer triage time.
- Built DCX.js AI coding skills enabling smoother LLM-assisted SDK integration for client developers.
- Maintained search service indexing pipeline (Spring Boot, Apache Storm, Elasticsearch), migrating to granular event architecture and improving indexing efficiency.
- Migrated CoreSync from path-based to ID-based syncing, reducing sync payload by 10% and cutting latency.
- Built Log Analyzer desktop app (React, Electron, Python) to analyze large log datasets from user machines, improving CoreSync debugging speed.

### Software Development Engineer

June 2020 – Feb. 2021

*Emvoke Technologies*

*Remote, India*

- Built end-to-end patient and doctor onboarding flows from scratch with RBAC-based authentication using AWS.
- Developed prescription and consultation workflows integrating medical standards (LOINC, SNOMED, HL7), Built the underlying medical data microservice in Node.js and MongoDB.
- Built DiagnoAssist, a differential diagnosis assistant using ML models and decision tree to aid in clinical diagnosis.
- Implemented real-time updates for doctor status with SSE, reducing API call overhead by 50%.

## PROJECTS

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### FormAI | [Link](#) | *AI, React, Node.js, VectorDB, RAG, Langchain, Chrome Extension, OpenAI, Ollama*

- AI-powered Chrome extension that automates job application form filling with context-aware responses.
- Privacy-first architecture ensuring all user data remains local and encrypted on the device using local LLMs.
- Built a RAG pipeline with vector embeddings for intelligent field detection and response generation.

### ThreeVertex | [Link](#) | *Next.js, Node.js, Cloudflare R2, Three.js, R3F, Firebase*

- Full-stack 3D model collaboration platform with upload, viewing, sharing, and real-time annotation via hotspots

### WriteX | [Link](#) | *Typescript, WebLLM, Manifest V3*

- On-device AI Chrome extension that rewrites X (Twitter) posts in custom tones — no cloud, no API keys

## TECHNICAL SKILLS

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**Languages:** Typescript, Javascript, Python, C++

**Frontend:** React, Next.js, Angular

**Backend:** Node.js, Express, FastAPI, SpringBoot

**AI/ML:** Langchain, RAG, OpenAI SDK, Ollama, Fine-tuning, MCP, Multi-agent systems

**Databases & Infra:** MongoDB, ChromaDB, Docker, AWS, Jenkins, Elasticsearch, Git

## EDUCATION

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### Jamia Millia Islamia

New Delhi, India

*Bachelor of Technology in Computer Engineering*

*2020*

## ACHIEVEMENTS

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- Tech Significance Award, Adobe (Q4 2024)
- Kudos Award, Adobe (Q1 2022)
- Qualified ACM ICPC Regionals (2017)
- Advanced Level DSA Test Certification, Samsung (2019)