

Om Mishra

Full-Stack & Distributed Systems Engineer · 3+ Years of Experience

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SUMMARY

Full-Stack & Distributed Systems Engineer with 3+ years building production software at scale. Currently at Xponentium, working on data intelligence - scrapers and pipelines that ingest data at scale, large-scale log analysis to surface live signals, and the infrastructure that keeps it all running. 2x national hackathon winner. Experienced across distributed data pipelines, React Native frontends, and LLM-powered backends.

EXPERIENCE

FULL-TIME

Distributed Systems Engineer, Xponentium India Gurugram, India | Aug 2025 - Present

Go, Python, Node.js, Kafka, Redis, Scrappy, PostgreSQL, Elasticsearch, BigQuery

- Own data intelligence at Xponentium - scrapers and ingestion pipelines that pull in data at scale from a wide range of sources.
- Run large-scale log analysis to surface live signals and viewership patterns, feeding real-time dashboards for major Indian media broadcasters.
- Manage the underlying infrastructure end-to-end - keeping ingestion, processing, and analysis running reliably day to day.
- Leading cloud migration from managed services to self-hosted infrastructure with in-house CI/CD, container orchestration, and automated deployment workflows.

Full-Stack Engineer, Commit AI Seattle, USA (Remote) | Mar 2026 - Jul 2026

React Native, Node.js, TensorFlow Lite, MediaPipe, AWS, Redis, WebSocket

- Built a passive activity-tracking layer using on-device motion inference (MediaPipe pose estimation, TensorFlow Lite) with minimal battery overhead across a 10,000+ user base.
- Engineered an AI engine generating personalised, adaptive workout plans, achieving 67% D30 retention (4x the fitness app category average).
- Designed a WebSocket real-time challenge engine with live leaderboards and match-state sync, cutting API latency 35% via Redis caching on Node.js/AWS EC2 (Docker, GitHub Actions CI/CD).

Co-Founder & Tech Lead, Projexa AI Gurugram, India | Jun 2025 - Dec 2025

React, Python, MongoDB, Redis, Docker, AWS, Socket.IO, LLMs

- Co-founded and led engineering for a multi-tenant academic SaaS platform, growing from zero to 10,000+ daily users across 3 universities in 7 months.
- Architected microservices on AWS with RBAC for 5 user roles, Socket.IO real-time dashboards, and 99%+ uptime under concurrent load.
- Integrated open-source LLMs for rubric-based auto-evaluation at 85%+ grader agreement, cutting manual grading 60%; shipped web and Android in parallel with a 4-engineer team.

INTERNSHIPS

Software Engineer Intern, Xponentium India Gurugram, India | Jan 2026 - Feb 2026

Python, Node.js, MongoDB, REST APIs

- Built backend services and data pipeline tooling, gaining hands-on exposure to the company's distributed systems architecture and client data workflows.

App Engineer, Xebia Gurugram, India | Feb 2025 - May 2025

React Native, Node.js, REST, NLP, Agile

- Built a cross-platform (iOS/Android/web) training-management app with automated calendar sync, reducing scheduling overhead 40% across a 200+ employee programme.
- Added NLP-based analysis of trainer feedback to surface recurring themes for programme managers.

PROJECTS

MockStar - AI Mock-Interview Platform - RAG-powered question generation, LLM rubric-based scoring, and real-time feedback across a full evaluation pipeline. (React, Flask, MongoDB, Gemini API, RAG, LangChain)

Gibble - News Search Engine - Crawler, indexer, ranking service, and search API indexing 5M+ pages across news and government sites; PageRank-style backlink ranking. (Go, Cloudflare Workers, PostgreSQL)

GradeFlow - CLI Evaluation Tool - CLI assignment-evaluation tool with automated plagiarism detection, rubric-based LLM scoring, and batch PDF processing; cut manual grading time 70% for a CS department handling 300+ submissions per cycle. (Python, Click, PyMuPDF, OpenAI API, PostgreSQL)

SKILLS

Languages	Python, Go, TypeScript, JavaScript, C++, SQL, Bash
Backend	Node.js, Express, FastAPI, Flask, Django, REST, GraphQL, gRPC, WebSocket, Celery
Data & Distributed Systems	Kafka, PostgreSQL, MongoDB, Redis, Elasticsearch, MySQL, BigQuery, Web scraping, ETL pipelines
Frontend & Mobile	React, Next.js, React Native, Redux, Tailwind CSS
Cloud & Infra	AWS (EC2, S3, Lambda, RDS, CloudWatch), Docker, Kubernetes, NGINX, GitHub Actions, Linux
AI / ML	LLM Integration, RAG, Prompt Engineering, LangChain, TensorFlow Lite, NLP, OpenAI, Gemini & Claude APIs
Tools	Git, Postman, Jest, Pytest, Linux, Nginx

EDUCATION

Bachelor of Technology, Computer Science 2022 - 2026

K.R. Mangalam University, Gurugram, India · CGPA: 9.0 / 10

AWARDS & RECOGNITION

Smart India Hackathon - National Winner Government of India, 2023

Blockchain-integrated secure digital certification with on-chain hash anchoring for tamper-proof credential verification. Prize: INR 1,00,000.

Code Xccelerate - First Place Gateway Education

AI-powered interview simulator using LLMs and real-time analysis to improve candidate readiness. Prize: INR 1,00,000.