

# MD KAIF

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## SUMMARY

Backend software engineer and IIIT Delhi CSE graduate (2026) with end-to-end ownership of production services, from design and testing through deployment, monitoring, and post-release stability. Proficient in Python (FastAPI) and TypeScript/Node.js, building reliable, scalable APIs backed by PostgreSQL and Redis. Strong focus on software reliability, observability, and operational excellence, with hands-on experience writing unit and integration tests, debugging production-critical issues, and performing root-cause analysis. Solid foundation in system design, data structures, algorithms, and distributed systems.

## SKILLS

**Languages:** Python · TypeScript · JavaScript · SQL · C++ · Java (coursework)

**Backend & APIs:** FastAPI · Node.js · RESTful APIs · System Design · Async Processing · Authentication (JWT, 2FA) · Distributed Systems

**Reliability & Testing:** Unit & Integration Testing · Debugging · Root-Cause Analysis · Observability (Sentry) · Production Monitoring · Code Review

**Infrastructure & DevOps:** AWS · Docker · CI/CD · GitHub Actions · Railway · Neon · Upstash · Git

**Data & ML:** PostgreSQL · SQL · Redis · Prisma · PyTorch · Scikit-learn · LLM Integration · LangChain · Pandas · NumPy

**Practices:** Agile / Scrum · End-to-End Feature Ownership · Cross-functional Collaboration

## EXPERIENCE

### Software Engineer

Apr 2026 - Present

Tint · Remote

- Took end-to-end ownership of backend services and REST APIs (Python/FastAPI) backed by a PostgreSQL data model, including a secure authentication system (JWT, TOTP 2FA, encrypted data handling), applying async processing and Redis caching to deliver low-latency responses at scale.
- Debugged a production-critical token-refresh race condition causing daily user logouts; performed root-cause analysis and implemented a durable fix by serializing concurrent refreshes.
- Owned deployment, reliability, and observability: provisioned and operated the production stack (AWS, Railway, Neon Postgres, Upstash Redis), set up error monitoring with Sentry, and maintained Docker-based CI/CD pipelines, writing unit and integration tests within an Agile, PR-based code review workflow.

### Full Stack Developer (Contract)

Jan 2026 - Apr 2026

2070 Health · Remote

- Delivered features across the EverHope platform in an Agile/Jira workflow, shipping to a rapid-development environment serving 10,000+ active users.
- Contributed to an AI interviewer product, reducing response latency so the system responded to user input more quickly.
- Integrated third-party APIs including Razorpay (payments) and Salesforce (CRM), mapping business requirements to technical implementation.

### Full Stack Developer

Jan 2025 - Dec 2025

Digitow Design Studio · Remote

- Built Fanclash end-to-end as a full-stack developer, implementing both the React/Next.js frontend and Node.js backend services with REST API integration.
- Developed the Kicksal frontend in React/Next.js, building responsive, reusable UI components and integrating them with backend APIs.
- Worked directly with designers and stakeholders across client projects, translating requirements into production-ready applications delivered on schedule.

### Freelance Software Engineer

Jun 2024 - Dec 2024

Kuzushi Labs · Remote

- Built client websites and full-stack web applications using Next.js and Python, with Prisma for data modeling and Docker for containerized development and deployment.
- Owned the entire frontend for an AI avatar chatbot web app delivered to a Singapore-based client, implementing the interface from provided designs and integrating it with backend APIs.
- Worked directly with clients to translate requirements into production-ready applications, delivering across multiple projects on schedule.

## PROJECTS

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### CipherLens: Classical Cipher Identification via ML

Oct 2025 - Apr 2026

- B.Tech capstone: built a Python/FastAPI inference backend serving 3 trained models (Hybrid CNN, char-level DL CNN, two-stage XGBoost), reaching 79.24% accuracy across 22 classes on a 550k-sample dataset.
- Containerized the full system with Docker Compose (FastAPI + PyTorch + Next.js), owning the model-serving pipeline end-to-end.

### newsforge: Autonomous AI News Digest Agent

May 2026

- Built an autonomous AI agent integrating LLMs (via LangChain and APIs) to ingest, process, and structure large volumes of unstructured data through a multi-step automated pipeline.
- Applied engineering best practices including modular design, comprehensive error handling, and structured output.

### git-newspaper: CLI Tool from Git History

Apr 2026

- Designed an open-source CLI tool in Node.js/TypeScript that processes complex Git histories into structured analytical outputs, with zero external dependencies for reliability.

## EDUCATION

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### Indraprastha Institute of Information Technology, Delhi, B.Tech in Computer Science & Engineering

Nov 2022 - Apr 2026

Relevant Coursework: Operating Systems, Computer Networks, Data Structures & Algorithms, Database Systems, Object-Oriented Programming (Java)

### Ahlcon International School, Class XII (CBSE)

Mar 2012 - Mar 2021

## CERTIFICATIONS

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Qiskit Global Summer School, IBM Quantum Computing (2024). Selected for competitive international quantum ML program.