

Keyur Thakkar

Full-Stack Software Engineer | Fintech & Capital Markets | GenAI

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SUMMARY

Full-stack engineer with 3+ years building production systems for U.S. capital-markets and fintech firms across Java/Spring, .NET, and React. End-to-end architect on multiple microservices builds; founding engineer on a GenAI code-analysis product. Focused on secure, real-time financial systems and applied LLM integration.

EXPERIENCE

Fintech Global Center - GIFT City, Gandhinagar, India

Jan 2023 - Present

Software Engineer · Tech Lead & Architect. Promoted from intern to full-time in four months; only first-year engineer named to the 2024 company leaderboard.

- Architected and led full-stack delivery of an account-management platform for a U.S. capital-markets firm, rebuilding a 15+-year-old VB6/SQL-Server system into .NET 9 and Angular microservices (6 deployable services behind a BFF gateway). As a top-2 contributor (~17% of commits), built the data-access gateway over 7 legacy databases (6 EF contexts, 34 repositories) and owned the security platform (Entra ID SSO, JWT/RBAC, rate limiting) and OpenTelemetry observability; the platform manages 100k+ customer-contact records.
- Full-stack developer embedded with a U.S. fintech client's team on an institutional fixed-income (municipal-bond) trading platform of 18 microservices across 5 domains (Java/Spring and NestJS). Built across the React/Redux front end and an event-driven backend: 4 FIX-protocol gateways, 240 Kafka topics carrying 188 Protobuf message schemas, and real-time regulatory trade reporting on AWS EKS.
- Founding engineer, architect, and product lead for CodeSherlock (codesherlock.ai), an AI code-analysis and review platform spanning in-editor analysis (VS Code, Cursor, Windsurf), automated GitHub PR reviews, and an MCP server that scores code across 100+ quality dimensions with OWASP Top 10 / CWE security checks. Drove it from inception to a shipped, SOC 2 Type 2 and ISO 27001-certified product supporting 10 languages that cuts PR-review turnaround by 50%+.
- Architected and led a HIPAA-oriented AI patient-intake platform for U.S. healthcare (6 deployable services, a 16-model PostgreSQL data layer). Built the LLM gateway (Anthropic Claude on AWS Bedrock) with circuit breakers and prompt-level PII stripping, field-level AES-256-GCM encryption of protected health data with KMS key rotation, and the full CI/CD and multi-service release pipeline; consolidated three services into one PHI-owning core for clean, auditable boundaries.
- Lead front-end engineer on a fintech social-investing / copy-trading platform, authoring ~40-50% of a React + GraphQL (Apollo / Spring GraphQL) SPA and the versioned shared module powering web and mobile, with real-time subscriptions, a Stripe subscription and revenue-sharing engine, and AWS Cognito MFA.
- Built backend services for the firm's cloud-native fixed-income trading and trade-management SaaS; rebuilt the corporate website in React (CI/CD, SEO, ~6x faster load) and designed the company's brand identity and logo; founded and led the internal AI team and represented the company as a campus-hiring interviewer.

Cuber Reality - Bengaluru, India

May 2022 - Jul 2022

Software Developer (Intern)

- Built core back-end services and RESTful CRM APIs with the Spring Framework and managed scalable, secure cloud storage on AWS S3.

Virtual Labs, IIT Bombay - Mumbai, India

Jun 2020 - May 2021

Full-Stack Developer

- Selected through a competitive national "Bootathon" as 1 of 11 developers countrywide; built accessible online laboratories for a Ministry of Education (Govt. of India) digital-learning initiative.

EDUCATION

Ph.D. in Artificial Intelligence (Part-time) | Dhirubhai Ambani University (DA-IICT) | CPI: 9.18/10

2025 - Present

M.Sc. in Information Technology | Dhirubhai Ambani University (DA-IICT) | CPI: 8.0/10

2021 - 2023

B.Sc. in Information Technology | Gujarat University | CPI: 8.34/10

2018 - 2021

TECHNICAL SKILLS

Languages: Java, C# / .NET, TypeScript, JavaScript, Python, C++, SQL

Backend & APIs: Spring Boot, ASP.NET Core, Node.js, NestJS, REST, GraphQL, gRPC / Protobuf, FIX protocol

Frontend: React, Angular, Redux / RxJS, AG Grid, MUI / PrimeNG

AI / GenAI: LLM integration (Anthropic Claude / AWS Bedrock, OpenAI), RAG, prompt engineering, resilient LLM gateways

Cloud & DevOps: AWS (EKS, Lambda, Cognito, S3, SQS/SNS, RDS, Bedrock), Azure (Entra ID, ACS), Docker, Kubernetes, Terraform, CI/CD (GitHub Actions, Azure DevOps, ArgoCD)

Data & Messaging: PostgreSQL, SQL Server, Redis, Kafka / Redpanda, EventStore / CQRS, Debezium CDC

Domains: Capital markets, fixed income, trading systems, payments (Stripe), HIPAA / PHI, regulatory reporting

RECOGNITION & CERTIFICATIONS

- NPTEL Star, invited by IIT Bombay to the 2026 NPTEL Star session for top-percentile performance.
- TED Translator & TED2020 scholarship (Canada) · Full Stack with Python (Fynd) · 1st, university UI/UX competition.