

Suraj Iyer

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SUMMARY

Software Engineer with 2.5+ years building full-stack applications using Java, Spring Boot, React, and Node.js. A quick learner with a genuine passion to build meaningful, user-centric products. Currently leaning towards building AI-powered applications using LLMs, RAG, and agentic frameworks.

EDUCATION

Master of Science in Computer Science

Indiana University, Bloomington (GPA: 3.74/4)

Aug 2024 – May 2026

Bloomington, IN

Bachelor of Engineering in Information Technology

University of Mumbai (GPA: 3.95/4)

Aug 2018 – May 2022

Mumbai, India

EXPERIENCE

Software Engineer

Jun 2022 – Jul 2024

Merkle

Mumbai, India

- Powered analytics for 200+ survey campaigns monthly, by developing microservices using Java, Spring Boot, and Spring MVC, building secure REST APIs that aggregated survey data from external sources like Qualtrics/Alchemer
- Built and maintained multi-tier components across the stack using React and Node.js, delivering reporting dashboards that enabled teams to track survey responses and quota progress in real time, handling 10,000+ daily requests
- Architected a centralized Okta OAuth gateway with role-based access controls, building a reusable authentication layer integrated across multiple services, eliminating redundant auth implementations and improving security standards
- Owned CI/CD pipeline infrastructure using GitHub Actions with automated unit and integration testing, reducing deployment lead time by 20% and enabling rapid, reliable releases for containerized services
- Collaborated closely with cross-functional teams in Agile/Scrum environments, managing deliverables using Jira while quickly ramping up on new requirements and ensuring code quality and performance through code reviews
- Recognized with Climb High Award for owning end-to-end delivery of 5+ concurrent projects in a single quarter, demonstrating quick learning with minimal oversight, contributing to a 7x revenue return on quarterly compensation

Full Stack Developer Intern

May 2021 – Dec 2021

Careeristic

Mumbai, India

- Co-developed a full-stack web application using React, Node.js, Express, MongoDB and AWS (EC2, S3) to assist 20,000+ high school students access career insights through video podcasts and blogs.
- Led the development of a Content Management System with secure REST APIs, optimized database schemas, and role-based content workflows, eliminating 90% of content update errors and reducing update turnaround time by 75%
- Led migration from React to Next.js, improving page load performance by 30%, while building reusable component libraries and driving technical decisions across cross-functional sprints with designers and content stakeholders

PROJECTS

Agentic Insurance Claim Leakage Detection | *FastAPI, ChromaDB, LangGraph*

Mar 2026

- Architected a multi-agent system using LangGraph with prompt chaining and multi-step reasoning, integrating with ServiceNow's existing data model to autonomously surface leakage flags across insurance claims
- Implemented retrieval-augmented generation using ChromaDB vector database and sentence-transformer embeddings, enabling agents to benchmark claims against historical distributions and identify anomalies across claims in 4+ LOBs

Third Eye - LLM-Powered Monitoring System | *FastAPI, LangChain, ChromaDB*

Dec 2025

- Built an async FastAPI backend processing 4 simultaneous camera feeds with WebSocket streaming and real-time scene analysis using Gemini 1.5 Flash for structured object detection and multi-step reasoning
- Enabled users to define monitoring tasks using natural language, implementing semantic event detection with ChromaDB and sentence-transformer embeddings, delivering sub 5 sec alerts when defined conditions were met

Microservices-based Room Reservation System | *Java, Spring Boot, Angular, Docker, Kubernetes*

Dec 2025

- Developed a room reservation system using Java, Spring Boot and Angular, implementing 6 micro-services with RESTful APIs, event-driven architecture using RabbitMQ, and Redis-based session management for statelessness.
- Owned end-to-end system design and infrastructure orchestration using Kubernetes, configuring Horizontal Pod Autoscaling and Load Balancing for fault-tolerant, reliable deployments integrating monitoring and observability

SKILLS

Languages: Java, JavaScript/TypeScript, HTML/CSS, Python, SQL, C, Golang

Frameworks & Tools: React/Next.js, Angular, Spring Boot, Node.js, Express.js, REST APIs, FastAPI

Databases & Cloud: PostgreSQL, MySQL, MongoDB, Redis, ChromaDB, AWS (EC2, S3, Lambda), GCP

DevOps & Methodologies: Git, Docker, Kubernetes, CI/CD (GitHub Actions), Agile/Scrum(Jira), Microservices