

# Aditya Chaudhari

hello@adityachaudhari.com | adityachaudhari.com | 8469172008

## Experience

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**Senior Software Engineer**, NewFold Digital

April 2024 – Present

- Led development of MCP tools using FastMCP (Python) and Spring Boot APIs, integrating them into an agentic chatbot to enable action-driven responses and reduce customer support requests by 10%
- Increased upsell conversions by **8%** by engineering a conditional catalog system that dynamically renders components based on domain ownership and product eligibility
- Initiated phased migration of a legacy Apache Struts monolith by building a Kubernetes-based Spring Boot microservices platform and reusable Spring Boot microservice template, reducing deployment time from **1 hour to 5 minutes** and enabling new services to be provisioned in minutes
- Accelerated microservice development by creating a shared Spring Boot library standardizing authentication, caching, persistence, and third-party integrations, enabling adoption by 4+ teams with **10+ services** deployed to production
- Eliminated frontend redeployments by implementing a dynamic UI configuration service (Spring Boot, Oracle DB, Cloudflare), enabling runtime UI changes without release cycles

**Software Engineer II**, NewFold Digital

March 2023 – April 2024

- Enabled real-time updates for asynchronous backend operations by implementing a scalable notification service using Node.js, Server-Sent Events (SSE), and Redis Pub/Sub, aggregating events from 3 microservices and supporting **10K+ concurrent connections**
- Led migration of **20K+ users** from Okta to on-prem Keycloak within 4 weeks under vendor deprecation, implementing encrypted password capture and zero-downtime flows with Spring Security to ensure seamless transition with zero authentication failures

**Software Engineer**, NewFold Digital

June 2021 – March 2023

- Introduced a reusable micro-frontend architecture using Webpack Module Federation with versioned CI/CD deployments (Jenkins, S3), enabling independent frontend releases and cross-team reuse
- Reduced AWS infrastructure costs by **30%** by migrating lower environments to Fargate Spot and eliminating redundant Aurora read replicas

**Software Engineer - Intern**, Endurance International Group

Jan 2021 – Apr 2021

- Optimized invoice processing by migrating complex computation to backend services and implementing frontend debouncing, reducing latency and increasing feature adoption by 10%

**Software Engineer - Intern**, Endurance International Group

Jun 2020 – Aug 2020

## Projects

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**Insignia Loyalty Experience**

Mini-InnoJam Hackathon (Runner-Up)

- Built backend APIs for a reusable loyalty microservice platform supporting gamification and rewards workflows

## Education

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**Nirma University** – B. Tech in Information Technology

May 2021

## Skills

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**Languages:** Java, Python, SQL, Bash, JavaScript, TypeScript

**Frameworks:** Spring Boot, Spring, Hibernate, Node.js, React, FastAPI

**Databases & Caching:** Oracle DB, MySQL, MongoDB, Redis

**Cloud & DevOps:** AWS (EC2, Fargate, S3, Aurora), Kubernetes, Docker, Jenkins, CI/CD, Git

**Observability:** Datadog, Sentry, Grafana, OpenTelemetry