Ankitanshu Swaroop

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Technical Skills

Languages: Java, TypeScript, JavaScript, Python
Technologies & Tools: Spring Boot, NestJS, Angular, MySQL, PostgreSQL, AWS (EKS, RDS, S3, SNS, SQS), Jenkins, Docker, Kubernetes, Okta JWT, mikro-orm, Git, OpenAPI

Work Experience

FICO (Fair Isaac Corporation) Jan 2021 – Present
Software Engineer II *Bengaluru*

FICO Marketplace

- Engineered the proprietary FICO Marketplace using NestJS to replace the legacy FAC Portal and AppDirect ecosystem, eliminating third-party dependencies and saving **$870,000** in annual licensing costs
- Designed an **auto-provisioning service** handling solution creation, status polling and encrypted credential management, cutting customer setup from **several days to 2 minutes** across 186 tenants.
- Scaled DMP solution cloning from **1 to 15 AWS regions** using Helm and EKS, templating deployments per region to meet data-residency requirements and enable cross-cluster disaster recovery.
- Implemented an **AI integration framework** invoking the Claude LLM to parse user-submitted OpenAPI specifications and generate Mermaid architecture diagram markup autonomously
- Built a per-edition transaction throttling/rate-limiting system enforcing real-time usage limits on product editions

FAC Portal & Enterprise SSO Modernization

- Migrated the FAC Portal to an event-driven Spring Boot architecture using native Pub/Sub, replacing serial webhooks to automate tenant assignment from AppDirect events and saving **$84,000** annually.
- Engineered a seamless Single Sign-On (SSO) authentication service using Okta, with custom first-party domains to avoid third-party cookie restrictions, giving persistent sessions across 17 FICO products.
- Built a runtime domain-blacklisting service that blocks webmail and competitor domains, **reducing fraudulent sign-ups by 92%**, ensuring cloud resources are exclusively allocated to valid business prospects
- Introduced bulk user provisioning APIs via Excel upload, reducing provisioning time for customers by 75%

Highway to Production (H2P) CI/CD Governance

- Implemented an automated gating system that aligns each scan metric with its respective GA Checklist requirement, using a RAG status to proactively block the promotion of vulnerable or low-coverage artifacts
- Developed automated security and quality controls within a centralized CI/CD framework to orchestrate parallel BlackDuck (SCA), Checkmarx (SAST), and SonarQube scans

Education

Birla Institute of Technology, Mesra (B.E. Computer Science & Engineering) 2017 – 2021

Rewards & Recognition

Spot Award | For delivering Marketplace Auto-Provisioning, one of the hero features for FICO World '26 May 2026

Spot Award | For mitigating a severe XSS security vulnerability for FAC 2025.2 release Apr 2025

Spot Award | For strengthening the FAC Okta security by introducing Network Zones Apr 2024

Spot Award | For architectural implementations on the single-login feature of FAC SSO Mar 2023

Best Control Developer | For delivering the highest volume of control gates for the H2P CI/CD Jun 2022