KRUPA SAWANT

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SUMMARY

Full-Stack Developer with 3 years of experience building scalable enterprise applications using Java, JavaScript/TypeScript, and Node.js. Skilled in developing secure APIs, implementing modern authentication protocols (OAuth 2.0, OpenID Connect, JWT), and deploying applications to Azure.

WORK EXPERIENCE

Software Engineer - AT&T (via TCS)

Redmond, Washington, USA   Sep 2021 - Jan 2025

- Rebuilt a legacy Java-based network monitoring tool using Vue.js, TypeScript, Node.js, and SQL, enhancing scalability by 30% and reducing response times by 25%
- Integrated Apache ECharts visualizations for LTE and NR Call Detail Records, increasing data visualization efficiency by 50% and boosting user satisfaction by 25%
- Automated testing and deployments to Azure environments using custom SSH scripts, improving deployment reliability and reducing manual effort
- Led migration of 3 JSF applications to Single Sign-On (SSO) using OAuth 2.0 & OpenID Connect authentication, reducing server memory usage by 40%
- Applied hybrid Authorization and Implicit Flows for secure token handling and fine-grained authorization boosting application security by 80%
- Optimized real-time network analytics platform with Node.js, Leaflet.js, and Vue.js, reducing report generation time by 30%
- Designed interactive map and dashboard features, resolving 50+ bugs and eliminating 5+ major performance bottlenecks to improve UX

PROJECT EXPERIENCE

Fitflow   Jul 2025 - Present

- Built a full-stack class booking platform with Next.js, TypeScript, Supabase (PostgreSQL), and Stripe
- Implemented subscription management, secure bookings with RLS, and JWT-based authentication

SpotIQ   Aug 2025 – Sep 2025

- Built a Next.js + Leaflet analytics platform scoring 100+ NYC neighborhoods for restaurant placement normalizing metrics like foot traffic, transit access, and competition density
- Designed a custom scoring algorithm with <2 second query time for instant insights

SoleSense   Sep 2025 -Present

- Developed a full-stack inventory and analytics dashboard with Next.js, TypeScript, & PostgreSQL
- Implemented CRUD for products and size-specific variants, with order tracking and role-based access

EDUCATION

Binghamton University, State University of New York   **GPA: 3.48/4.00**

Master of Science in Computer Science   May 2021

Xavier Institute of Engineering, Mumbai University, India   **CGPA: 3.30/4.00**

Bachelor of Engineering in Information Technology   Jun 2018

TECHNICAL SKILLS

Languages: Java, JavaScript, TypeScript	**Databases**: PostgreSQL, MySQL
Frontend: React, HTML5, CSS3	**Integration**: OAuth 2.0, JWT, OpenID Connect
Backend: Node.js, Express, TomEE/Tomcat	**AI & Productivity Tools:** ChatGPT, Claude
Cloud & Deployment: Azure, Vercel	**Version Control & IDEs:** Git, VS Code, IntelliJ IDEA