

# Swetha Naga Sai Chirumamilla

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## PROFESSIONAL SUMMARY

Full Stack Developer with 3 years of experience building secure, scalable enterprise applications across financial and consulting domains. Proficient in developing Spring Boot microservices and React, Next.js interfaces, with hands-on experience supporting data workflows using Python (FastAPI, Pandas). Skilled in designing RESTful and GraphQL APIs, optimizing PostgreSQL backed services with Redis caching, and deploying containerized workloads on AWS and Azure Kubernetes Service. Experienced in Agile SDLC environments, ensuring compliant, resilient, and high-performance production systems through CI/CD automation and proactive monitoring using Prometheus, Grafana.

## TECHNICAL SKILLS

- **Frontend Development:** React.js, Next.js, Angular, Redux, Zustand, TypeScript, JavaScript (ES6+), HTML5, CSS3, Tailwind CSS, Bootstrap, Responsive UI, Reusable UI Components, Web Accessibility, Progressive Web Apps, User-Centered Interface Design
- **Backend Development:** Java, Python, SQL, Spring Boot, Spring MVC, Spring Security, Hibernate/JPA, FastAPI, Flask, Node.js, Express.js, RESTful APIs, GraphQL, Microservices Architecture, Event-Driven Architecture, API Gateway Integration, OAuth 2.0, RBAC, Transaction Management, Query Optimization, Swagger
- **Cloud, Serverless & DevOps:** AWS (EC2, S3, RDS, ECS, Fargate, Lambda, API Gateway), Microsoft Azure, Azure Kubernetes Service, Docker, Terraform (Infrastructure as Code), GitLab CI, GitHub Actions, CI/CD Pipelines, Infrastructure Automation, Serverless Deployment, High Availability Architecture
- **Databases & Data Systems:** PostgreSQL, MySQL, MongoDB, Oracle, Redis, Elasticsearch, Data Flow Design, Data Modeling
- **Monitoring, Testing & Operations:** Prometheus, Grafana, ELK Stack, JUnit, Mockito, Postman, Application Testing, Integration Testing, Performance Monitoring, Vulnerability Testing, Checkmarx, Acunetix, Production Support, Operational Health Optimization
- **Core Competencies:** User Requirements Gathering, Stakeholder Collaboration, Full Stack Ownership, System Architecture, Production Deployment, Internal Tools Development, Agile/Scrum, Technical Documentation, Solution Architecture

## PROFESSIONAL EXPERIENCE

### Full Stack Developer, Deutsche Bank

Mar 2025 - Present | Remote, USA

- Developed Spring Boot based RESTful microservices integrated with React.js trading dashboards, enabling compliant transactional workflows aligned with enterprise banking SDLC standards and internal audit technology control policies.
- Collaborated with senior engineers to analyse technical requirements, implementing Python data validation scripts using Pandas to support moderately complex financial application enhancements across regulated banking environments.
- Participated in pull request reviews across Spring MVC backend services and Angular UI modules, improving modularity and ensuring clean, efficient, and secure enterprise-grade application code across transactional systems.
- Utilized Git for managing feature branches across Java microservices and frontend TypeScript components, ensuring stable release coordination within Agile sprint driven banking technology environments.
- Implemented RBAC policies using Spring Security and secured React-Redux dashboards, strengthening regulatory compliance and reducing unauthorized usage across customer facing financial reporting interfaces.
- Documented REST API contracts using Swagger and aligned backend frontend integrations across Spring Boot services and Angular components to ensure timely delivery within SDLC-based sprint milestones.
- Partnered with Deutsche Bank compliance teams to address audit observations, implementing remediation updates in Hibernate-backed Java services and Python based reporting automation aligned with governance standards.

### Software Engineer, Cognizant

Jan 2022 - Jan 2024 | Hyderabad, India

- Designed horizontally scalable Spring Boot microservices integrated with Next.js dashboards, supporting real time consulting analytics workflows across distributed Azure hosted client application environments.
- Developed Python preprocessing services using Fast API and NumPy to normalize consulting data streams, improving downstream performance of Java based analytics microservices across reporting pipelines.
- Implemented Redis caching with PostgreSQL query optimization in Hibernate managed Java services, improving response time by 45% across analytics driven reporting modules deployed in Azure environments.
- Built Prometheus Grafana monitoring dashboards integrated with React.js UI panels, enabling proactive detection of service degradation across multi-tenant consulting delivery solutions.
- Rapidly prototyped GraphQL integration layers using Spring Boot and Apollo Client, accelerating validation of business logic workflows during iterative client feature deployments.

## CERTIFICATION

- **ServiceNow Certified System Administrator** – [\(Link\)](#)
- **Automation Anywhere Essentials & Advances** – [Essentials](#), [Advanced](#)

## EDUCATION

### Master of Science, Kent State University

Jan 2024 – Dec 2025 | OH, USA

Computer Science (Enterprise Applications, Cloud Systems, AI-enabled Software)

### Bachelor of Engineering, KL University

Jul 2018 – Apr 2022 | AP, India

Computer Science and Engineering