Suraj Reddy
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PROFILE SUMMARY

- **Software Engineer with 4+ years of experience building scalable,** cloud-native applications using **Java, Spring Boot, Microservices, React, and Angular** across **banking, healthcare, retail, and insurance domains**.
- Backend-focused Full Stack Engineer with strong frontend experience, specializing in **RESTful API design, distributed systems, and cloud-based architectures.**
- Hands-on experience deploying and operating applications on **AWS, Azure, and GCP**, leveraging **Docker, Kubernetes, CI/CD pipelines, and cloud monitoring** for reliable production systems.
- Strong understanding of **system design, API performance optimization, security best practices**, and Agile delivery, with a proven ability to translate complex business workflows into scalable technical solutions.

TECHNICAL SKILLS

Programming Languages:	Java, SQL, JavaScript (ES6+), TypeScript, Python
Backend Technologies:	Spring Boot, Spring MVC, Spring Security, Spring Cloud, Hibernate/JPA, Microservices, REST APIs
Frontend Technologies:	React.js, Next.js, Angular, Redux, HTML5, CSS3, Bootstrap, Material UI
Cloud & DevOps:	AWS, Azure, GCP, Docker, Kubernetes, Terraform, Jenkins, Git, GitHub Actions, SonarQube
Databases:	MySQL, PostgreSQL, Oracle SQL, MongoDB, DynamoDB
Messaging & Distributed Systems:	Kafka, Redis, GCP Pub/Sub
Testing Tools:	JUnit, Mockito, Postman, Selenium (Basic)
Servers:	Apache Tomcat (primary), JBoss (working knowledge)
Monitoring & Logging:	CloudWatch, Stackdriver, Azure Monitor, Splunk
Methodologies:	Agile, Scrum, SDLC
IDEs:	IntelliJ IDEA, VS Code, Eclipse, STS

PROFESSIONAL EXPERIENCE

JPMorgan Chase & Co. | Software Engineer II   **Aug 2024 - Present**

Designed and built a cloud-native credit risk assessment and loan decisioning platform used by internal banking teams to evaluate loan applications, assess borrower risk, and generate real-time credit decisions. The platform replaced manual and spreadsheet-driven workflows with automated risk scoring, rules-based approvals, and auditable decision trails.

- **Participated in framing the overall system architecture** for a microservices-based loan decisioning platform, decomposing functionality into services for applicant profiling, credit scoring, risk rules evaluation, and decision orchestration to ensure scalability and fault isolation.
- **Developed backend microservices using Java and Spring Boot**, exposing REST APIs to process loan applications, compute risk scores, and generate approval or rejection decisions based on configurable business rules.
- **Implemented a decision orchestration service** to coordinate multiple risk evaluation steps (credit score thresholds, income-to-liability ratios, exposure limits), enabling consistent and explainable loan decisions across products.
- **Applied Spring Security with JWT-based authentication and role-based access control**, ensuring secure access for credit analysts, risk managers, and operations teams while enforcing strict separation of responsibilities.
- **Developed customer-facing and management views using Next.js**, leveraging server-side rendering (SSR) to deliver fast initial load times for application summaries, approval timelines, and audit reports.
- **Designed relational data models using PostgreSQL** to manage loan applications, decision outcomes, and audit logs, ensuring transactional consistency and traceability for regulatory review.
- **Optimized backend processing pipelines**, reducing average loan decision processing time by **30–35%** through efficient service communication, caching of reference data, and optimized database queries.
- **Implemented centralized logging, metrics, and alerting using AWS CloudWatch** to monitor service health, track failure patterns, and support faster root-cause analysis in production.
- **Deployed services on AWS using EC2, Application Load Balancers, and IAM,** with Docker-based containerization and CloudWatch monitoring to ensure secure, observable, and scalable deployments.
- **Collaborated closely with risk analysts, product owners, and QA teams** in an Agile environment to translate evolving credit policies into configurable technical rules without requiring code changes.

Tata Consultancy Services (TCS) | Full Stack Java Developer   **Aug 2021 – Aug 2023**

Developed a healthcare workflow automation platform to digitize and streamline clinical operations across hospitals, including patient intake, care task coordination, discharge workflows, and inter-departmental handoffs. The platform reduced manual coordination overhead and improved care delivery efficiency for clinical and administrative staff.

- **Designed a microservices-based system architecture** to manage patient intake, clinical task assignments, care status tracking, and discharge coordination across departments.

- **Developed backend services using Java and Spring Boot**, exposing REST APIs for patient registration, care task lifecycle management, clinical status updates, and audit logging.
- **Implemented service-to-service communication and centralized configuration** using Spring Cloud, enabling scalable and loosely coupled healthcare services.
- **Built a role-driven frontend using Angular and TypeScript**, providing tailored workflows for nurses, doctors, care coordinators, and administrative staff.
- Implemented a care task orchestration engine to manage dependencies between clinical activities (diagnostics, consultations, approvals), reducing manual follow-ups by ~30–35%.
- **Designed and optimized PostgreSQL databases** to handle transactional patient and care workflow data with strong consistency and audit requirements.
- **Secured the platform using Spring Security**, implementing JWT-based authentication and role-based authorization to control access to sensitive clinical information.
- **Containerized microservices using Docker and deployed them on Azure Kubernetes Service (AKS),** with CI/CD pipelines and Azure monitoring to ensure scalable, reliable, and observable deployments.
- **Provisioned Azure infrastructure using Terraform**, enabling repeatable and environment-consistent deployments across development, staging, and production.
- **Collaborated closely with clinical operations teams** to translate real-world hospital workflows into scalable digital processes while maintaining compliance and data integrity.

Adidas AG | Java Developer (Software Developer)   Jan 2021 – Jul 2021
- **Designed a modular microservices architecture** to handle return initiation, eligibility checks, refund workflows, warehouse routing, and reverse shipment tracking.
- **Developed backend services using Java and Spring Boot**, exposing REST APIs for return requests, refund status, item condition assessment, and warehouse intake updates.
- **Implemented return eligibility rules engine**, validating return windows, product conditions, payment methods, and policy constraints, reducing invalid return requests by approximately **30%**.
- **Built a React-based frontend** for customer service agents and store staff to initiate returns, track reverse shipments, and manage exception cases.
- **Integrated store and warehouse workflows**, enabling returns initiated online to be processed at physical stores or fulfilment centres without data inconsistency.
- **Designed PostgreSQL schemas** to manage return transactions, refund lifecycle states, and audit trails for compliance and dispute resolution.
- **Deployed services on Google Cloud Platform using GKE,** with Docker-based containerization, asynchronous processing, and centralized logging to support scalable and resilient return workflows.
- **Secured APIs using Spring Security**, implementing role-based access for store staff, warehouse operators, finance teams, and administrators.
- **Collaborated with retail operations and finance teams** to align digital return workflows with real-world store policies and refund SLAs.
- **Reduced average return processing time by ~35%** and improved refund turnaround time by approximately **25%**.

State Farm | Software Engineer   Aug 2020 – Dec 2020
- Built a scalable insurance policy administration and claims processing platform to digitize customer onboarding, policy lifecycle management, premium payments, and claims submissions, reducing manual processing and improving claim turnaround time.
- Designed and implemented a modular system architecture separating policy management, claims processing, payments, and customer services to ensure scalability and maintainability.
- Developed backend services using **Java and Spring Boot** to manage policy issuance, renewals, endorsements, and claim status tracking, exposing RESTful APIs for frontend and third-party integrations.
- Used **Maven** for dependency management, build automation, and version control across backend services, ensuring consistent release artifacts.
- Built a responsive **Angular** frontend enabling customers to view policies, submit claims, upload documents, and track claim progress in real time with role-based access control for customers, agents, and claims administrators.
- Designed relational schemas using **MySQL** to manage policy records, customer profiles, claims history, and payment transactions.
- Deployed services on **AWS (EC2, S3, IAM)** and containerized applications using **Docker**, with centralized logging and monitoring via **CloudWatch**, improving incident detection and reducing resolution time by ~25%.
- Collaborated with QA, product owners, and business analysts in an **Agile/Scrum** environment, contributing to sprint planning, code reviews, and production releases.

EDUCATION

Master of Science in Computer Science – Clark University, Massachusetts, USA
Bachelor of Technology in Computer Science & Engineering - St. Martin's Engineering College, Hyderabad, India.