

SUDHEER ARIKATLA

Senior Backend Integration Engineer | Java 17+ · Spring Boot 3+ | Kafka · REST APIs | React | GCP · AWS | Security-Aware (SonarQube · OAuth · JWT) | Microservices | CI/CD

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PROFESSIONAL SUMMARY

Backend-heavy Full Stack Engineer with 6+ years of experience building secure, scalable enterprise integrations and microservices. Deep expertise in Java 17+ and Spring Boot 3+ — designing RESTful APIs, event-driven Kafka pipelines, and third-party platform integrations. Proficient in React for dashboard and monitoring UIs. Multi-cloud experience across GCP (GKE, Pub/Sub, BigQuery — primary), AWS, and Azure. Security-aware engineer — identifies and remediates code vulnerabilities using SonarQube, enforces OAuth 2.0/JWT/Spring Security, and follows embedded security practices. Strong background in JUnit/Mockito testing, Docker/Kubernetes, CI/CD (Jenkins, GitHub Actions), and pair programming within Agile teams.

TECHNICAL SKILLS

Languages	Java (Primary), Kotlin, SQL, Python, JavaScript/TypeScript, Shell Scripting, Scala
React / UI	React (hooks, Context API, Redux), TypeScript, JavaScript (ES6+), HTML5, CSS3, Bootstrap, Responsive Design, REST API integration, dashboard & monitoring UIs
Microservices / APIs	Microservices Architecture, RESTful APIs, SOAP, API Gateway, Service Discovery, Circuit Breaker, 12-Factor App Design
Event Streaming	Apache Kafka (Producer/Consumer/Streams), RabbitMQ, SNS/SQS, Event-Driven Architecture, Async Messaging
Databases & SQL	Oracle (Stored Procedures, PL/SQL, Query Optimization), PostgreSQL, SQL Server, MySQL, DB2, MongoDB (NoSQL), Hibernate ORM — strong SQL tuning & execution plan analysis
Cloud Platforms	GCP (GKE, Cloud Run, Pub/Sub, BigQuery, Cloud Functions — primary), AWS (EC2, S3, Lambda, RDS, API Gateway), Azure (AKS, App Services)
CI/CD & DevOps	Jenkins, GitHub Actions, Maven, Gradle, Docker, Kubernetes, Helm, ArgoCD
Testing	JUnit, TestNG, Mockito, Selenium, TDD/BDD (Cucumber/Gherkin), Integration Testing, Code Coverage
Security & Quality	OAuth 2.0, JWT, Spring Security, SSO/LDAP, SonarQube (static analysis, vulnerability detection), OWASP Top 10, Embedded Security, API Gateway Security, Secrets Management
GenAI / LLM	OpenAI APIs, LangChain, LangGraph, Hugging Face, AWS Bedrock, RAG Pipelines, Vector Search, Embeddings, Prompt Engineering
Frontend	React, Angular, Vue.js, TypeScript, JavaScript, HTML5, CSS3, REST/GraphQL consumption
Methodologies	Agile/Scrum, Full SDLC Ownership, DevOps, TDD, PoC Development

PROFESSIONAL EXPERIENCE

Target Corporation

May 2026 – Present

Development Engineer

Technologies: Java 17+, Spring Boot 3+, Apache Kafka, REST APIs, Microservices, React, TypeScript, PostgreSQL, Oracle, GCP (GKE, Pub/Sub, BigQuery), Docker, Kubernetes, Jenkins, GitHub Actions, JUnit 5, Mockito, SonarQube, Swagger/OpenAPI

- Design and develop secure, scalable Java 17+ Spring Boot 3+ microservices for enterprise integration workflows — building RESTful APIs and event-driven Kafka pipelines that connect internal platforms, third-party SaaS solutions, and business-critical data flows at Target Corporation.
- Architect Apache Kafka event-driven integration pipelines for asynchronous enterprise data processing — designing producers, consumers, and Streams applications with exactly-once semantics, dead-letter queue strategies, and fault tolerance; integrate GCP Pub/Sub for cross-service messaging and BigQuery for operational analytics.
- Optimize PostgreSQL and Oracle database performance for high-volume retail operational platforms — query tuning, execution plan analysis, index redesign, and JPA/Hibernate ORM optimization; integrated BigQuery for large-scale analytical reporting.

- Practice TDD and pair programming as standard engineering disciplines — writing comprehensive unit, integration, and contract tests with JUnit 5 and Mockito from the start of every feature; self-identify and remediate code vulnerabilities using SonarQube static analysis and OWASP Top 10 review during development and code reviews.
- Own CI/CD automation and cloud infrastructure using Docker, Kubernetes, Terraform IaC, GitHub Actions, and Vela CI/CD — ensuring every commit is tested, SonarQube-validated, and production-deployable with automated rollback capabilities.
- Implement observability with OpenTelemetry distributed tracing, Prometheus metrics, and Grafana dashboards — enabling fast root cause analysis and performance profiling across the distributed supply chain platform.
- Collaborate with cross-functional Product Owners, architects, and QA in Agile/Scrum ceremonies — leading sprint planning, design reviews, and production issue triage; owning full SDLC responsibilities from design through deployment and operations.

Charter Communications

February 2024 – May 2026

Java Full Stack Developer

Technologies: Java 17+, Kotlin, Spring Boot 3+, Spring Security, Apache Kafka, REST APIs, Microservices, Oracle, PostgreSQL, SQL Stored Procedures, MongoDB, OAuth 2.0, JWT, Docker, Kubernetes, GCP, AWS, Jenkins, GitHub Actions, JUnit 5, Mockito, SonarQube, Maven, CI/CD

- Designed and implemented Java and Kotlin-based plugin-style modular components within a distributed microservices architecture, enabling pluggable rule-engine logic for data processing workflows — conceptually aligned with Actimize ActOne plugin development patterns.
- Developed high-performance backend services using Kotlin with Spring Boot, leveraging Kotlin Coroutines for non-blocking asynchronous processing and Kotlin DSL to streamline configuration and reduce boilerplate across microservices.
- Built high-throughput REST APIs using Java and Kotlin Spring Boot to support enterprise-grade transactional backend services, handling large-scale concurrent request volumes with robust exception handling and fault-tolerance mechanisms.
- Developed Kafka Producer/Consumer/Streams pipelines for real-time event-driven data processing, enabling asynchronous integration across distributed services and eliminating synchronous service coupling in critical workflows.
- Engineered and optimized complex Oracle SQL queries and PL/SQL stored procedures for high-volume transactional datasets, improving critical query execution time through execution plan analysis, indexing strategies, and stored procedure refactoring.
- Optimized SQL query layers and database schemas across Oracle RDBMS and MongoDB NoSQL stores, implementing connection pooling and batch processing strategies to meet strict SLA targets under high concurrency.
- Established and maintained CI/CD pipelines using GitHub Actions and Jenkins with Maven/Gradle builds, automating end-to-end test execution, artifact publishing, and containerized deployments to Azure environments.
- Deployed containerized Java/Kotlin microservices on Azure AKS using Docker and Kubernetes, following 12-factor and cloud-native application design principles for stateless, horizontally scalable services.
- Implemented comprehensive automated test suites using JUnit, TestNG, and Mockito achieving 85%+ coverage; introduced BDD test patterns with Cucumber/Gherkin for behavior-driven API contract validation.
- Implemented comprehensive security practices across all services — enforcing OAuth 2.0 and JWT authentication, Spring Security access controls, and SSO/LDAP integration; proactively identified and remediated vulnerabilities through SonarQube static analysis, code reviews, and OWASP Top 10 audits to meet enterprise information security standards.
- Participated in Agile sprint ceremonies, technical design reviews, and production issue triage — owning full SDLC responsibilities from design through deployment and ongoing operations.
- Contributed to Angular and TypeScript frontend modules integrated with Spring Boot REST APIs — building component-driven views and reactive forms for internal data management and workflow monitoring tools, collaborating with frontend leads to deliver end-to-end feature flows.
- Built Angular module architecture with lazy-loaded feature modules, route guards, and Angular Router navigation — structuring multi-page enterprise applications for performance and maintainability across internal workflow tools.
- Developed TypeScript service layers using RxJS Observables and HttpClient to consume Spring Boot REST APIs — handling async data streams, error interception, and state propagation across Angular components with reactive patterns.
- Implemented reactive Angular forms with custom validators, cross-field validation, and real-time error feedback — enabling complex data entry workflows for transaction processing and case management interfaces.
- Wrote Angular component unit tests using Jasmine and Karma, and end-to-end tests with Protractor — achieving frontend test coverage aligned with backend TDD standards across the full-stack delivery pipeline.

Deloitte / HDFC Bank

Java Backend Developer

March 2020 – July 2022

Technologies: Java, Kotlin, Spring Boot, Angular, REST APIs, Oracle (PL/SQL, Stored Procedures), PostgreSQL, MongoDB, Kafka, OAuth 2.0, JWT, SSO, Docker, AWS, Jenkins, JUnit, Mockito, Maven, Agile

- Developed Java and Kotlin Spring Boot backend services for a large-scale financial transaction processing platform, building modular plugin-style components for rule execution, data validation, and case management workflows — directly analogous to Actimize RCM plugin development.
- Migrated critical backend services from Java to Kotlin, reducing code verbosity by 30% while improving readability and maintainability; used Kotlin extension functions and data classes to simplify domain model layers across financial APIs.
- Implemented Kafka-based event streaming architecture to process high-volume banking transaction events, enabling real-time AML-style monitoring, fraud signal detection, and asynchronous downstream notification pipelines.
- Engineered and optimized Oracle PL/SQL stored procedures and complex SQL queries against large-scale financial RDBMS datasets, reducing critical report generation time by 40% through execution plan tuning, index redesign, batch processing, and stored procedure refactoring.
- Designed and maintained Oracle database schemas supporting high-volume transactional financial workloads, including partitioning strategies, index optimization, and stored procedure-driven batch processing for end-of-day settlement workflows.
- Built and maintained secure RESTful APIs integrating OAuth 2.0, JWT, and SSO authentication for customer-facing and internal financial product services, ensuring compliance with enterprise security and regulatory standards.
- Deployed Java/Kotlin applications on AWS using Docker containers and Jenkins CI/CD pipelines, implementing automated build, integration test, and release workflows to reduce deployment cycle time.
- Developed automated regression and integration test suites using JUnit and Mockito with 80%+ code coverage, integrating test automation into CI pipeline for continuous quality assurance.
- Developed Angular and TypeScript frontend components for customer-facing and internal banking interfaces — building form-driven data entry flows, REST API-integrated dashboards, and reactive UI modules to surface transactional data and case management workflows for financial operations teams.
- Implemented complex Angular reactive forms with multi-step validation, dynamic field rendering, and OAuth 2.0-secured API submission flows — supporting customer onboarding, loan application, and account management banking workflows.
- Built RxJS-driven data pipelines in Angular services to manage real-time financial data streams — using combineLatest, switchMap, and debounceTime operators to coordinate API calls and update UI state reliably under high-frequency data refresh.
- Developed reusable Angular component libraries (tables, charts, modals, notifications) with TypeScript interfaces and shared service contracts — standardizing UI patterns across multiple banking product teams and accelerating feature delivery.

Aveva

January 2019 – February 2020

Java Developer

Technologies: Java, Kotlin, Spring Boot, REST APIs, Microservices, Oracle SQL, Stored Procedures, React, TypeScript, Angular, Docker, Kubernetes, AWS, Maven, JUnit, Agile, Cloud Deployment, API Integration

- Built Java and Kotlin Spring Boot microservices for an enterprise industrial data platform, implementing plugin-style modular service components with well-defined API contracts to enable independent deployment and extensibility.
- Developed and optimized Oracle SQL queries and PL/SQL stored procedures for large-volume industrial operational datasets, applying query profiling, execution plan analysis, and stored procedure tuning to meet SLA performance targets.
- Wrote Kotlin-based utility services and data transformation layers to complement the Java microservices ecosystem, improving developer productivity and code maintainability across the backend platform.
- Implemented RESTful API integrations between internal microservices and third-party enterprise systems, designing request/response schemas, error handling strategies, and API versioning patterns.
- Containerized application services using Docker and orchestrated on Kubernetes on AWS, establishing cloud-native deployment pipelines that improved environment consistency and release velocity.
- Built automated unit and integration test coverage using JUnit with Maven build integration, ensuring test execution on every CI build cycle as part of Agile delivery practices.
- Supported React and TypeScript frontend integration with backend REST APIs — building API-connected UI components and data views to surface industrial operational data for enterprise platform users.
- Built React functional components with hooks (useState, useEffect, useContext) and TypeScript interfaces to render real-time industrial sensor data, operational metrics, and system status dashboards for enterprise platform users.
- Integrated Angular and React frontends with Java Spring Boot REST APIs using TypeScript HTTP clients — handling authentication headers, response mapping, and error boundary patterns for reliable data display across industrial monitoring views.

EDUCATION

Master of Science in Computer Science

University of Missouri – Kansas City, Missouri

July 2022 – December 2023

Bachelor of Technology in Computer Science and Engineering

Sathyabama Institute of Science and Technology, Chennai, India

August 2016 – July 2020

CERTIFICATIONS

- Oracle Certified Professional: Java SE 8 Developer
- AWS Certified Solutions Architect – Associate
- AWS Certified Cloud Practitioner
- Microsoft Certified: Azure Fundamentals (AZ-900)
- Salesforce Certified Administrator
- CompTIA Data+ ce