ABHISHEK KASULA

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PROFESSIONAL SUMMARY

- Proficient Java Full Stack Developer with 5+ years of experience delivering scalable microservices and dynamic web applications for banking, fintech, and insurance domains using Java, Spring Boot, Angular/React, and RESTful APIs.
- Hands-on expertise in deploying containerized services on cloud platforms (AWS, GCP, Azure) using Kubernetes, Docker, EC2, Lambda, and Azure Functions to build high-availability backend systems.
- Built responsive SPAs using React and Angular integrated with secure REST endpoints, enhancing user experience and driving performance improvements across internal portals and customer-facing platforms.
- Integrated CI/CD pipelines using Jenkins, Bamboo, and GitHub Actions with Docker/Kubernetes workflows, accelerating delivery cycles and improving production release stability by over 30%.
- Skilled in Apache Kafka, Cassandra, and asynchronous messaging systems (JMS, RabbitMQ), enabling real-time data processing, observability, and event-driven architecture for enterprise-grade solutions.

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, TypeScript, Python, SQL, HTML5, CSS3, YAML

Frontend Technologies: React.js, Angular (11/12), Redux, Bootstrap, AJAX, JSON

Backend Frameworks: Spring Boot, Spring MVC, Spring Cloud, Spring Security, Hibernate, JPA, Node.js, Express.js, JSP, Thymeleaf, Struts

Cloud Platforms & DevOps: AWS (EC2, S3, Lambda, CloudWatch, SNS, SQS), Google Cloud Platform (GCP), Microsoft Azure (Functions, Storage), Docker, Kubernetes, PCF, OpenShift

CI/CD & Build Tools: Jenkins, GitHub Actions, Bamboo, Maven, Gradle, Nexus, Artifactory

Databases: MySQL, PostgreSQL, Oracle, Microsoft SQL Server, MongoDB, Apache Cassandra, DynamoDB

Messaging & Streaming: Apache Kafka, RabbitMQ, JMS, Apache Camel

Web Services & APIs: RESTful APIs, SOAP, WSDL, JSON, XML, Swagger/OpenAPI

Version Control & Collaboration: Git, GitLab, Bitbucket, JIRA, Confluence

Testing & Quality: JUnit, Mockito, Selenium, Postman, SoapUI, Cucumber, Jasmine, Karma, SonarQube

Monitoring & Logging: ELK Stack (Elasticsearch, Logstash, Kibana), Prometheus, Grafana, Splunk, CloudWatch

Methodologies & Patterns: Agile (Scrum, SAFe, Kanban), Test-Driven Development (TDD), Microservices Architecture, MVC, RESTful Design Patterns, Domain-Driven Design (DDD)

PROFESSIONAL EXPERIENCE

Java Full Stack Developer **Feb 2025 – Present**

Fiserv, Inc, Berkeley Heights, NJ

- Developed and deployed scalable microservices using Java 8 and Spring Boot on GCP Kubernetes, boosting backend elasticity and reducing response latency by 30% for peak-time digital transactions.
- Secured internal and external API communication by implementing Spring Security with OAuth2 and Apache Camel, enabling dynamic token-based access control for digital banking partners.
- Re-architected backend data services by migrating from SQL Server to Apache Cassandra, designing denormalized models and optimized CQL queries that cut read latency by 45% during financial peak loads.
- Built high-performance UI components using Angular 12 and integrated them with backend REST services, enhancing dashboard responsiveness and improving client engagement on Fiserv's self-service portal.
- Automated end-to-end deployment pipelines using Jenkins, Docker, and Bamboo, enabling frictionless CI/CD processes and reducing release time from hours to minutes across microservices.
- Implemented Kafka-based streaming pipelines to capture and relay real-time transaction events to monitoring systems, powering dynamic operational analytics and fraud detection alerts.
- Increased code stability by designing test automation frameworks using JUnit, Mockito, and SoapUI, which lifted unit and integration test coverage above 85% and reduced production incidents by 40%.
- Enabled full-stack observability by configuring Stackdriver and CloudWatch for system metrics, logs, and alerts, ensuring 99.9% application uptime and improving root-cause identification speed.

Java Full Stack Developer **Feb 2024 – Jan 2025**

New York Life Insurance Company, Lebanon, NJ

- Developed event-driven microservices using Spring Boot and deployed on Azure Functions to process claim validations and policy updates, increasing scalability and reducing response time by 25% across core insurance services.
- Built interactive single-page applications using React integrated with Angular routing and RESTful endpoints to support internal underwriting workflows, improving interface responsiveness by 35% based on Lighthouse audits.
- Configured Kafka-based message pipelines to process asynchronous policy change events and transfer them into Hadoop HDFS for downstream regulatory reporting, enabling near-real-time visibility of customer data.

- Designed a modular validation engine using Spring MVC and MySQL that auto-generated compliance documents with JasperReports, streamlining audit readiness processes and cutting manual report prep time by 40%.
- Secured customer policy APIs and internal dashboards by implementing Spring Security with OAuth2 authentication, enforcing role-based access and ensuring compliance with New York Life's data privacy standards.
- Established robust CI/CD pipelines through Jenkins and OpenShift to automate build, test, and deployment cycles for both frontend and backend services, resulting in faster feature rollouts and fewer integration issues.
- Wrote and scheduled nightly ETL scripts using shell scripting and cron to extract, validate, and load transactional data into analytics databases, ensuring report accuracy and eliminating delays in compliance reporting.
- Containerized critical backend services with Docker and managed infrastructure state with Ansible while integrating Jenkins alerting, leading to improved recovery time and maintaining 99.8% uptime on production systems.

Java Full Stack Developer **May 2022 – Jul 2023**
ICICI Bank, Hyderabad, India

- Re-architected legacy monolithic systems into modular Spring Boot microservices with Spring Cloud for the customer service platform, cutting deployment time by 40% and reducing production downtime significantly.
- Developed responsive banking dashboards using React and Redux, streamlining employee workflows and accelerating transaction processing speed by 35% based on internal audit benchmarks.
- Designed RESTful APIs to handle loan approvals and credit evaluations, integrating Spring Boot services with internal scoring engines and third-party platforms to automate risk decisions.
- Leveraged AWS EC2 for scalable compute workloads, used DynamoDB for fast key-value queries, and applied Kinesis streams to enable real-time tracking of customer policy events with low latency.
- Built high-reliability data migration jobs using Java batch processing and shell scripting, successfully transferring over 30 million customer records with zero transactional data loss.
- Developed a Spring MVC–based validation engine that dynamically generated JasperReports, allowing the compliance team to automate reporting and reduce manual effort by over 50%.
- Refactored asynchronous modules using Java 8 features such as lambda expressions, streams, and CompletableFutures to simplify thread management and increase system throughput.
- Participated in Agile sprints using JIRA to manage development tasks and collaborated in Git-based workflows with IntelliJ IDEA to ensure continuous delivery and cross-team coordination.

Java Developer **Aug 2020 – May 2022**
Bosch, Hyderabad, India

- Built RESTful microservices using Spring Boot and deployed them via Docker containers on AWS EC2 with Kubernetes orchestration, modularizing vehicle telemetry services and improving system scalability for Bosch's connected mobility ecosystem.
- Modeled and optimized Apache Cassandra clusters to handle high-throughput sensor data with tunable consistency levels, which enhanced real-time read/write performance by 40% across distributed regions.
- Created reusable Angular components integrated with backend REST endpoints to deliver interactive diagnostic dashboards, enabling live vehicle status monitoring and reducing tool latency during edge testing.
- Designed JMS-based message queues with retry logic and dead-letter support to manage asynchronous communication between IoT edge gateways and cloud microservices, improving fault isolation during peak traffic loads.
- Strengthened unit and integration testing by embedding JUnit and Mockito validations into Jenkins CI pipelines, reducing production rollbacks by 30% and increasing developer confidence in nightly builds.
- Drafted comprehensive low-level service designs and Swagger API specs, and maintained detailed architecture notes in Confluence, streamlining cross-team collaboration and accelerating onboarding for new developers.
- Automated firmware log parsing and ingestion workflows using shell scripts and PL/SQL routines, increasing nightly batch validation accuracy and cutting manual intervention by over 60%.
- Participated in Agile ceremonies with product managers, QA, and DevOps engineers, contributing to sprint planning and ensuring timely API integration across cloud and edge teams to meet program deliverables.

PROJECTS

Real-Time Payment Microservices Platform

- Developed event-driven Spring Boot microservices, containerized with Docker and deployed on GCP Kubernetes; optimized autoscaling to handle 2x transactional load while maintaining SLA response times.
- Secured API layers using OAuth2 with Spring Security and Apache Camel, enabling standardized B2B authentication and achieving full compliance in internal audit evaluations.

Cloud-Native Claims & Policy Workflow System

- Created microservices for claims and policy handling using Spring Boot deployed as Azure Functions, ensuring elastic scaling for concurrent agent and client traffic.
- Delivered dynamic SPA with React and Angular routing, integrated with RESTful APIs to streamline underwriter workflows, reducing UI load time by over 35%.

Connected Vehicle Telemetry & Diagnostics Platform

- Built telemetry microservices with Spring Boot, Docker, and Kubernetes on AWS EC2, enabling scalable real–time data capture from global automotive edge devices.
- Modeled sensor data in Apache Cassandra and visualized diagnostics via Angular dashboards, while ensuring nightly data integrity with JMS workflows and PL/SQL–driven Jenkins jobs.

EDUCATION

Master of Science in Computer Science **Sep 2023 – May 2025**

Pace University, New York, USA

CERTIFICATIONS

- Meta Back–End Developer Professional Certificate – **Coursera**
- Oracle Professional Java SE 11 Developer
- AWS Certified Developer Associate
- Google Cloud Platform Fundamentals: Core Infrastructure – **Coursera**
- Spring Framework and Spring Boot – **LinkedIn Learning**