

Parikshit Murria

Senior Backend Engineer | Java | Spring Boot | Distributed Systems

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📍 Ontario, Canada

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👤 PROFILE

Senior Software Engineer with 12+ years of experience designing and developing backend services, distributed systems, and scalable enterprise applications. Strong expertise in Java, Spring Boot, microservices, event-driven architectures, Kafka, and cloud-native infrastructure. Experienced in system integration, production troubleshooting, security, and building reliable systems for enterprise clients. Proven technical leadership in delivering complex solutions, supporting production deployments, and mentoring engineering teams.

🧠 SKILLS

Languages & Backend — Java, Spring Boot, Hibernate

Architecture & Messaging — Microservices, Event-Driven Architecture, Kafka, ActiveMQ, Elasticsearch

Databases & Caching — PostgreSQL, MySQL, Cassandra, DynamoDB, Redis, Caffeine

Cloud & Infrastructure — AWS, GCP, Azure, Docker, Kubernetes, Helm, Jenkins

Security & Identity — OAuth 2.0, OIDC, SSO, Okta, AWS Cognito

Testing — JUnit, Mockito, JMeter, Wiremock, Cucumber

Monitoring & Observability — Splunk, Datadog, Dynatrace, Grafana, PagerDuty

Mobile — Swift, Objective C, Android (Java)

Build/Release Tools — Ant, Maven, Gradle, Helm

📁 WORK EXPERIENCE

01/2022 – Present
Waterloo, Canada

Candescent (Formerly NCR Voyix)
Software Dev Engineer III

- Led a customer support engineering team of 5+ members, overseeing the investigation and resolution of backend API issues in production environments to maintain service reliability and meet SLAs.
- Designed and developed microservices within the existing platform ecosystem, enhancing functionality, scalability, and integration with established services.
- Contributed to the architecture and development of an event-driven **Teller Cash Recycler (TCR) platform**, integrating React UI, Spring Boot services, Kafka, device agents, and physical cash-handling hardware to support asynchronous transaction workflows.
- Implemented session management, idempotency, duplicate-message protection, timeout handling, and recovery workflows to address distributed-system failures and maintain consistency between backend state and physical device operations.
- Supported pilot deployments, production rollouts, and client onboarding for major financial institutions, troubleshooting complex software, integration, configuration, and hardware-related issues while maintaining operational stability.
- Built and managed Kubernetes environments, including deployments, StatefulSets, Services, and Jobs, and developed Helm charts to simplify deployment and management of application resources.
- Identified and remediated security vulnerabilities in existing microservices, reducing potential security risks.

- Mentored and onboarded new team members, providing technical guidance, training, and resources to accelerate their integration and effectiveness.

04/2018 – 08/2021
Gurgaon, India

Expedia Group
Software Dev Engineer III

- Designed and developed components of a centralized Virtual Agent Platform to simplify partner onboarding through configurable agent tools.
- Spearheaded the design and development of an Identity and Access Management (IAM) solution, enabling authentication and integration across internal applications and services.
- Integrated identity providers and Single Sign-On (SSO) solutions, including Okta, AWS Cognito, and ADFS, implementing OAuth 2.0 authorization code and client credentials flows.
- Enhanced service auditing by publishing change events to Kafka and consolidating service events through dynamic Kafka streams.
- Implemented resource versioning and state-machine functionality within a rules framework and improved production monitoring and reliability.
- Led onsite production deployments for a major banking client's call center in Kentucky.

11/2015 – 04/2018
Bangalore, India

Calient Technologies
Software Engineer

- Designed and implemented the Resource Allocation (RA) subsystem and algorithm to evaluate user requests and allocate Optical Circuit Switch (OCS) ports for on-demand and deferred network topology provisioning.
- Built a topology scheduling system using Redis and PostgreSQL to activate and deactivate network topologies at scheduled intervals.
- Developed an AngularJS-based canvas interface with draggable topology components and connections, integrating with existing backend services to activate and deactivate optical-switch cross-connects.
- Organized and led brainstorming sessions for the design and development of LightConnect Fabric Manager in Santa Barbara, California.

01/2014 – 11/2015
Bangalore, India

Hewlett Packard Enterprise
Software Engineer I

- Developed Single Sign-On (SSO) and logout functionality for the Single Access Partner Portal (SAPP) using Oracle Identity Management, enabling unified access for Vodafone's local markets and indirect partners.
- Developed user-provisioning services, DSML services, and REST-based web services integrated with Oracle Internet Directory (OID) and LDAP APIs.

EDUCATION

Waterloo, Canada

PG Diploma - Mobile Solutions Development
Conestoga College

India

Bachelor of Technology - Computer Science
Punjab Technical University

CERTIFICATES

- Udemy Certified - Getting Started with Okta
- Oracle Certified Java SE 6 Programmer