

SIMRAN

SOFTWARE DEVELOPER – Java, Database Management, CI/CD & Cloud Deployment

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SKILLS

- **Languages & Frameworks:** Java (Core, Spring Boot, REST APIs), Python, C++, JavaScript, .NET Core, SQL
- **DevOps & Tools:** Jenkins, Git, GitHub, GitLab, Bitbucket, Docker, Kubernetes, Helm, Terraform, and Ansible
- **Build & Testing:** Maven, Gradle, JUnit, Postman, JFrog Artifactory, SonarQube for automation and QA
- **Cloud Platforms:** AWS (ECS, EKS, Lambda, RDS, S3, EC2), Azure (AKS, DevOps), OpenShift, Linux, Unix
- **Databases & Monitoring:** MySQL, PostgreSQL, SQL Server, MongoDB, Snowflake, Prometheus, and Grafana

WORK EXPERIENCE

Software Engineering Associate

September 2022 – August 2023

Amdocs

India

- Developed backend microservices in Core Java and Spring supporting a large telecom billing platform securely handling millions of critical transactions, strengthening scalability, maintaining throughput, and reducing failure rates by 18%.
- Implemented new Java features across production systems, delivering improved response handling and feature adoption, increasing customer satisfaction ratings by 25% and lowering customer-reported issues by 14% during release cycles.
- Designed automated CI/CD pipelines with Jenkins, Docker, and Kubernetes, reducing deployment duration by 40%, cutting manual interventions across build operations, ensuring streamlined delivery of production-ready applications.
- Deployed Java microservices on Azure Kubernetes Service in collaboration with Microsoft, achieving the 30% overall system reliability improvement, enhancing resource allocation, and reducing downtime by 22% during peak user traffic.
- Created Linux Shell scripts automating integration and deployment processes, eliminating 60+ manual steps, saving 14 hours weekly, and improving throughput by 35% while ensuring accuracy across recurring complex operational tasks.
- Authored YAML files for Kubernetes and Jenkins pipelines, decreasing CI/CD configuration errors by 25%, maintaining overall stability, and supporting consistent build validation across development, testing, and production environments.
- Optimized deployments with container orchestration, balancing workloads across distributed clusters, reducing latency by 19%, and maintaining application availability above 99.5% while ensuring sustainable support of system resources.
- Monitored application logs and system metrics across 20+ servers, detecting 50+ anomalies per week, reducing downtime by 18%, and enabling preventive resolution of potential critical production failures and service interruptions.
- Collaborated with cross-functional teams to integrate 15+ third-party APIs, maintaining data integrity, reducing integration errors 22%, ensuring seamless communication between services supporting over 100,000 active users daily.

PROJECT EXPERIENCE

E-Commerce Backend System

Backend Developer – Java, Spring Boot

- Built user authentication, product catalog, shopping cart, and Stripe payment integration system handling 500+ daily transactions, improving order processing throughput by 30% and reducing failed payment attempts by 18%.
- Implemented 25 REST APIs using Java, Spring Boot, Hibernate, and MySQL, supporting 10,000+ records, optimizing database queries, improving response time by 22%, and ensuring accurate data delivery across diverse endpoints.
- Integrated JWT authentication managing 2,000+ active sessions, securing user credentials, reducing unauthorized access incidents by 95%, and maintaining session validation, token refresh, and role-based access across the platform.
- Documented and tested APIs using Postman and Maven, executing 1,500+ test cases, identifying 120+ edge cases, ensuring stable functionality, reducing post-deployment errors by 28%, supporting deployment on a local scalable server.

DevOps Automation & Monitoring Dashboard

DevOps Engineer – Jenkins, Docker, Prometheus, Grafana

- Automated build, test, and deployment pipelines for a Java microservices app handling 50+ services, reducing manual deployment errors by 40%, accelerating delivery cycles, maintaining consistent production performance across clusters.
- Leveraged Jenkins, Docker, and Helm to deploy 25 microservices across 3 environments, managing container orchestration, reducing downtime by 30%, and ensuring reliable resource allocation, version control, and fault-tolerant operations.
- Developed monitoring dashboard with Prometheus and Grafana tracking 100+ metrics, capturing CPU, network usage, alerting on anomalies, improving visibility into system performance, and reducing incident response time by 22%.
- Configured CI/CD pipelines executing 500+ automated jobs, reducing manual errors 35%, boosting deployment speed, maintaining environment consistency, supporting 24/7 uptime with real-time performance tracking across all systems.

EDUCATION

Master of Applied Computer Science

Concordia University, Montréal, Canada

September 2023 – May 2025

Bachelor of Technology – Computer Science and Engineering

Guru Nanak Dev University, India

July 2018 – June 2022