

# JEEVAN SHRESTHA

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## PROFESSIONAL SUMMARY

Full Stack Java Developer with over 6 years of experience in designing, developing, and deploying high-performance Java-based applications using Spring Boot. Specialized in backend development (80%) with additional expertise in frontend technologies (20%). Experienced in building and maintaining scalable cloud-native applications, automating deployments through CI/CD pipelines, and managing data workflows using tools such as AWS, Apache Airflow, Terraform, and GitLab. Known for strong problem-solving skills, clear communication, and a continuous drive to learn and adopt emerging technologies.

## TECHNICAL SKILLS

- **Programming Languages:** Java, Python, Swift, Typescript, Java Script, Dart (Flutter)
- **Frameworks & Tools:** Spring Boot, Apache Airflow, Docker, Kubernetes
- **Frontend Tools:** Angular (12, 15), React, Typescript, Java Script, Html, CSS
- **Cloud Platforms:** AWS (EKS, Redshift, S3, Lambda, API Gateway), OpenShift
- **Databases:** Oracle, AWS Redshift, Amazon RDS
- **DevOps & CI/CD:** Jenkins, GitLab, Terraform, Ansible, CI/CD pipelines
- **Containerization & Orchestration:** Docker, Kubernetes, OpenShift
- **Monitoring & Logging:** Prometheus, Grafana, Splunk, Dynatrace, AWS CloudWatch, ELK Stack
- **APIs:** RESTful, SOAP, GraphQL, Swagger
- **Data Management:** ETL processes, Apache Kafka, data migration strategies, data quality checks
- **Data Visualization:** Power BI, Tableau
- **Security:** AWS IAM, OAuth2, JWT, Single Sign-On (SSO), security audits
- **Agile Methodologies:** Scrum, Agile ceremonies, sprint planning, retrospectives
- **Version Control:** Git, GitLab
- **User Interface Development:** Cross-platform mobile development with Flutter, native iOS development with Swift
- **Performance Optimization:** Java tuning, SQL performance tuning, caching (Redis), query optimization
- **Scripting:** Shell scripting
- **Data Processing Frameworks:** Apache Airflow, Apache Kafka

## EDUCATION

Southeast Missouri State University

Master's, Applied Computer Science

## PROFESSIONAL EXPERIENCE

New York Life Insurance Company

New York, NY, USA

Full Stack Java Developer

August 2023 - Present

- Led Agile practices including sprint planning, daily stand-ups, and retrospectives, fostering collaboration and continuous delivery across development teams.
- Architected and developed a cloud-native platform on AWS using EKS, Redshift, and S3, enabling scalable, secure, and efficient data processing.
- Built a microservices architecture with Spring Boot and Docker, allowing independent deployments, enhanced scalability, and flexible service management.
- Integrated Apache Kafka for event-driven systems, enabling real-time data streaming and scalable, efficient message handling.
- Consumed RESTful APIs via Angular's HttpClient, integrating seamlessly with Spring Boot microservices on the backend.
- Implemented observability tools such as Logscale, Splunk, and Dynatrace for proactive monitoring, log analysis, and performance troubleshooting.
- Orchestrated data pipelines using Apache Airflow to automate ingestion and transformation workflows, ensuring data integrity and consistency.

- Managed containerized applications with Kubernetes on OpenShift, optimizing infrastructure scalability and deployment efficiency.
- Executed Oracle database migration and backup strategies, maintaining data integrity and high system availability across diverse environments.
- Developed serverless applications using AWS Lambda and API Gateway, improving scalability and reducing infrastructure overhead.
- Developed responsive enterprise web applications using Angular 15, utilizing standalone components for improved modularity and reduced boilerplate.
- Implemented CI/CD pipelines in GitLab, reducing deployment time by 50% through automation and improving release velocity.
- Tuned Java applications for performance, achieving a 35% reduction in response time, directly enhancing user experience in flight and booking systems.
- Used Terraform for infrastructure as code, automating cloud provisioning for consistent, repeatable environments across development and production.
- Integrated Prometheus and Grafana for performance monitoring, enabling real-time insights and ensuring high system availability.
- Collaborated with cross-functional teams to define project scope, timelines, and deliverables, ensuring on-time delivery of mission-critical projects.
- Participated in the migration of legacy JavaScript/Thymeleaf views to Angular 15, improving frontend scalability and maintainability.
- Designed dashboards with Power BI and Tableau, delivering actionable insights and supporting data-driven decision-making for stakeholders.
- Applied security best practices using AWS IAM, VPC configurations, and encryption techniques to maintain compliance and safeguard data.
- Designed and validated complex reactive forms to handle structured insurance data inputs with dynamic business logic.
- Collaborated with the cross-platform mobile applications team using Swift and Flutter, delivering a consistent, responsive experience on iOS and Android.
- Conducted code reviews and established coding standards, enhancing code quality and reducing technical debt across the stack.
- Automated data quality validation with Python scripts, significantly decreasing manual efforts and improving data reliability.
- Maintained comprehensive API documentation using Swagger, improving API usability for internal and external developers.
- Implemented Redis and AWS ElastiCache for caching strategies, reducing database load and enhancing application response times.
- Diagnosed and resolved production issues, ensuring minimal downtime and maintaining high system availability.
- Mentored junior developers, promoting best practices in cloud-native architectures, microservices, and Agile methodologies.
- Developed and tested disaster recovery plans, ensuring business continuity and rapid recovery in the event of system failures.
- Researched and adopted emerging technologies, continuously improving system performance and development workflows.
- Leveraged GitHub Copilot and Cursor AI to speed up boilerplate generation, code refactoring, and automated test writing, resulting in a 20% improvement in sprint delivery velocity.
- Utilized ChatGPT for rapid prototyping, code reviews, and architectural decision-making support during collaborative design sessions.

**Tech Stack:** Java, Python, AWS, EKS, S3, Redshift, Angular 15, Lambda, API Gateway, Terraform, Docker, Kubernetes, OpenShift, Apache Kafka, Apache Airflow, Spring Boot, GitLab CI/CD, Prometheus, Grafana, Splunk, Dynatrace, Redis, Swagger, Power BI, Tableau.

## **Delta Airlines**

### *Senior Java Developer*

**Atlanta, GA, USA**

*August 2020 - July 2023*

- Collaborated in all phases of the Software Development Life Cycle (SDLC), including requirement analysis, design, development, testing, deployment, and maintenance.

- Developed a data platform using AWS Redshift to consolidate and analyze information from multiple systems, enhancing business intelligence and enabling data-driven decisions.
- Designed and integrated RESTful and SOAP APIs to support secure and scalable communication between microservices.
- Integrated LDAP and Active Directory to enable centralized user authentication and improve enterprise security.
- Automated Linux server tasks using shell scripts, improving system performance and minimizing manual effort.
- Configured Jenkins, AWS CodeBuild, and CodeDeploy to enable continuous integration and deployment, reducing release cycle time and improving software quality.
- Migrated legacy views to Angular 12, improving performance and maintainability by leveraging Webpack 5 and Ivy compiler enhancements.
- Built scalable ETL pipelines with Apache Airflow to automate critical data workflows, ensuring regulatory compliance and data accuracy with reduced manual intervention.
- Deployed serverless applications using AWS Lambda and API Gateway to streamline data processing while reducing operational costs and increasing scalability.
- Used Terraform to automate infrastructure provisioning, ensuring consistency across environments and aligning with compliance and high availability standards.
- Incorporated automated testing frameworks like JUnit and Selenium into CI/CD pipelines to improve test coverage and reduce bugs during deployment.
- Used Sass with Angular CLI for modular and scalable styling, aligned with enterprise theming standards.
- Created interactive dashboards and automated reporting tools using Power BI and Tableau, providing real-time insights into performance, risks, and trends.
- Implemented secure authentication mechanisms using OAuth2 and JWT to improve user experience and align with industry-standard security practices.
- Contributed to code quality through participation in code reviews and adoption of version control best practices using Git and GitLab.
- Improved performance of high-volume data pipelines by optimizing queries, implementing data partitioning, and using caching strategies, resulting in a 40% reduction in processing time.
- Worked closely with UX/UI teams to ensure applications were user-friendly and compliant with accessibility standards.
- Configured monitoring and alerting systems using AWS CloudWatch and Prometheus to support proactive issue resolution and ensure system reliability.
- Automated configuration management using Ansible to ensure consistency across environments and reduce deployment-related issues.
- Applied lazy loading and route protection to enhance application security and reduce initial load times.
- Supported technical growth within the team by sharing knowledge, reviewing code, and promoting best practices in cloud-native development.
- Documented system designs and operational processes to provide clear guidance for ongoing maintenance and future development.
- Tuned SQL queries for performance in large-scale databases, enhancing the efficiency of reports and transaction processing.
- Participated in Agile ceremonies to help define priorities and ensure the timely delivery of critical functionality within compliance deadlines.
- Conducted security assessments and implemented Single Sign-On (SSO) solutions to align with corporate security requirements and simplify user access.
- Enhanced data access and performance by integrating GraphQL, improving retrieval efficiency and supporting real-time analytics.

**Tech Stack:** Java, Python, AWS, Redshift, Angular 12, Lambda, API Gateway, Terraform, Jenkins, CodeBuild, CodeDeploy, Apache Airflow, Ansible, Docker, Git, GitLab, JUnit, Selenium, Power BI, Tableau, OAuth2, JWT, LDAP, Active Directory, Prometheus, CloudWatch, SQL, Flutter, GraphQL.

## **Albertsons**

*Junior Java Developer*

**Boise, ID, USA**

*February 2019 - July 2020*

- Contributed to Agile development teams by participating in sprint planning, stand-ups, and retrospectives, helping to deliver reliable software on time.
- Developed and enhanced backend services using Java and Spring Boot, building robust RESTful APIs to support scalable and high-performing applications.
- Participated in Agile sprints, contributing to user story refinement and demo sessions focused on React UI features.

- Deployed cloud-native applications using AWS services such as EC2, S3, RDS, and Lambda, improving scalability, performance, and cost-efficiency.
- Implemented and maintained CI/CD pipelines in GitLab, automating builds, tests, and deployments to streamline release processes and reduce manual errors.
- Created containerized services using Docker and managed orchestration through Kubernetes, increasing deployment flexibility and system resilience.
- Developed interactive web interfaces using React.js, enabling responsive, user-friendly features for internal business applications.
- Designed and maintained ETL workflows for transforming and loading data into data warehouses, supporting better data accessibility and reporting.
- Used Apache Airflow to schedule and monitor data pipelines, ensuring consistent and timely delivery of business-critical data.
- Wrote frontend unit tests using Jest and React Testing Library, ensuring component stability and UI correctness.
- Applied optimization techniques like data partitioning, query tuning, and compression to enhance data processing speed and system efficiency.
- Participated in the transition from monolithic architecture to microservices, contributing to more modular, scalable, and maintainable applications.
- Wrote comprehensive unit tests using JUnit and Mockito, helping to maintain high code quality and minimize production defects.
- Integrated monitoring and logging tools such as Prometheus and the ELK Stack, improving visibility into application performance and simplifying troubleshooting.
- Applied AWS security best practices, including IAM configuration and VPC setup, to protect applications and ensure compliance with security standards.

**Tech Stack:** Java, Spring Boot, React, AWS, EC2, S3, RDS, Lambda, GitLab CI/CD, Docker, Kubernetes, Apache Airflow, JUnit, Mockito, Prometheus, ELK Stack, IAM, VPC, SQL.