

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.

Environment: 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.

Environment: 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.

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