Anil Kumar Injam

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PROFESSIONAL SUMMARY

Software Engineer with **5+** years of experience in designing, developing, and optimizing scalable applications, specializing in Spring Boot, Microservices, and cloud-based solutions (AWS, GCP). Expertise in building distributed microservices using Spring Boot, Spring Cloud, and Netflix OSS (Eureka, Zuul, Ribbon) for scalable andfault-tolerant applications.

- Proficient in deploying applications on **AWS (EC2, S3, Lambda, RDS), Kubernetes, Docker, and Jenkins**, ensuring efficient CI/CD automation.
- Strong hands-on experience in **Apache Kafka, Kafka Streams, RabbitMQ, and JMS** for real-time data processing and event-driven architectures.
- Skilled in developing **RESTful APIs** with **Swagger, Spring REST Docs, and API versioning**, ensuring seamless system integration.
- Experience in **JVM tuning, memory management, garbage collection optimization** for high-performance Java applications.
- Implemented **Spring Security, OAuth2, and JWT**, ensuring robust authentication, authorization, and adherence to **OWASP security standards**.
- Adept at **Agile methodologies (Scrum, Kanban), collaborating with cross-functional teams**, and translating business needs into **scalable technical solutions**.
- Passionate about **building secure, efficient, and scalable** Java applications while staying up to date with **modern cloud and DevOps technologies**.
- Strong hands-on experience in building reusable UI components using **React.js** and Angular, optimizing frontend performance for high-scale applications.

TECHNICAL SKILLS

Programming Languages:	Java 8/11, Python, JS, SQL
Frameworks:	Spring Framework, Hibernate, JPA, Junit, Mockito, TestNG
Frontend Technologies:	HTML, CSS, JavaScript, TypeScript, React, Angular
Databases:	MySQL, Oracle, PostgreSQL, NoSQL(MongoDB)
Tools and IDEs:	Eclipse IDE, VS Code IDE, Maven, Gradle, Git, SVN, JIRA
Web Technologies:	Servlets, JSP, RESTful Web Services, SOAP ,Node.js, XML, Babel, Webpack
Web Servers:	Apache Tomcat, Jetty
Design Patterns:	MVC, Singleton, Factory, Observer
Build Automation:	Jenkins, Docker, Gitlab CI, YAML
Security:	Java Security Architecture, OWASP Top 10, Encryption Decryption Algorithms
Cloud Technologies:	AWS, Azure, Google Cloud Platform
Microservices:	Spring Boot, Netflix OSS (Eureka, Zuul, Ribbon), Microservices Architecture Patterns, JMS, Apache Kafka, RabbitMQ
APIs, Monitoring and Logging:	Swagger, Spring REST Docs, API Versioning, ELK Stack (Elasticsearch, Logstash, Kibana), Prometheus, Grafana

PROFESSIONAL EXPERIENCE

Client: PayPal Feb. 2024 - Present

Role: Software Engineer

Designed and worked on scalable Java microservices for **fraud detection system,** ensuring real-time credit card transaction processing and enhanced security measures and utilized and Eureka for service discovery.

- Deployed the microservices on **AWS ECS** (Elastic Container Service) using CI/CD pipelines, leveraging **AWS CloudFormation** for infrastructure-as-code to ensure consistent environments.
- Implemented an event-driven architecture using **Apache Kafka** to handle high-throughput messaging, which improved the system's ability to detect fraudulent activities by **reducing false positives**.

- Developed interactive dashboards using **React.js**, hosted on AWS, to visualize fraud detection insights, providing real-time transaction monitoring and alerting capabilities.
- Optimized Java applications for real-time credit card transaction processing through advanced **JVM tuning** and effective **memory management** strategies.
- **Integrated legacy mainframe systems** seamlessly using **Java libraries and APIs**, ensuring smooth data interchange and compatibility.
- Collaborated with team developing and enhancing **custom UI components** in **React.js**, enhancing **user experience** for risk analysts reviewing flagged transactions.
- Worked with cross-functional teams to deploy Java applications on the **AWS** cloud platform via **CI/CD pipelines**, ensuring continuous integration and high availability.
- Developed reusable **Java libraries**, streamlining development processes, improving overall project efficiency.
- Enforced robust **authentication and authorization** mechanisms using **Spring Security**, ensuring secure access to applications and data.
- Monitored and analyzed Java application performance using Prometheus and other industry-standard **profiling tools**, optimizing resource utilization and response times.
- Resolved complex production issues through meticulous **debugging, log analysis,** and other troubleshooting techniques.
- Mentored and supported other developers, fostering a collaborative and knowledge-sharing environment within the team.
- Utilized Spring Boot microservices to process messages into the **Kafka cluster**, developing **Kafka Streams** for retrying error topic records, state stores for aggregations, and **Kafka Consumer Rebalancer** to manage offsets.
- Worked in **Agile environment** and utilized methodologies **(Scrum, Kanban)** to manage the full Java development lifecycle, ensuring iterative improvements and timely project deliveries.
- Utilized **Zuul** as an API Gateway, securing and routing traffic efficiently between microservices, improving request handling and access control.

Tools used: Java microservices, JVM, Spring Security, AWS, CI/CD pipelines, Java libraries, XML, DOM, SDLC, REST APIs, Agile methodologies

Client: The Hartford Jan 2021 – Dec 2022

Role: Full Stack Developer

- Developed and streamlined robust business logic for **the policy management module**, ensuring alignment with user standards to streamline policy **creation, updates, and renewals.**
- Developed and optimized functionalities for claims processing using **JDBC** and efficient **database queries**, resulting in faster processing times and improved data accuracy.
- Created a **React and TypeScript-based** web interface, allowing users to manage insurance policies dynamically.
- Managed customer account systems with Object-Oriented Programming principles, facilitating easy maintenance and future enhancements.
- Integrated external data sources and handled the deployment of RESTful APIs using AWS Lambda (serverless) and API Gateway to handle claims processing workflows.
- Implemented **server-side rendering (SSR)** in React for better SEO and faster initial page loads in the policy portal and used **AWS CodeBuild** and **CodeDeploy** to automate testing and deployment
- Ensured smooth data integration between internal and external systems through effective data serialization and deserialization techniques in **DynamoDB**
- Developed comprehensive unit tests using **JUnit and Mockito**, along with **integration tests** using **Selenium WebDriver**, to implement automated tests and ensure high code quality and system reliability.
- Led code quality initiatives, enforcing rigorous testing practices and ensuring adherence to coding standards.
- Worked together with business analysts to translate complex business requirements into scalable technical solutions.
- Delivered key features and enhancements supporting customer service initiatives and operational goals.
- Partnered with QA testers to identify and resolve application defects promptly, ensuring high application **reliability** and user satisfaction.
- Optimized Java code performance using advanced techniques such as **multithreading and memory management**, enhancing **system efficiency**.
- Participated in code reviews, promoting best practices, and contributing to a maintainable codebase.
- Engaged in technical discussions, providing innovative solutions to address challenges specific to the insurance domain.

- Stayed updated on the latest Java technologies and frameworks, integrating new tools to enhance development efficiency.
- Demonstrated strong **problem-solving** skills, resolving **complex issues** within the **insurance industry** promptly.

Tools used: Java, Spring Framework, Spring MVC, RESTful APIs, JDBC, API Integration, JSON, XML, Unit Testing (JUnit, Mockito), Selenium WebDriver, Lambda, API Gateway, DynamoDB, CodeBuild/Deploy

Client: Lowe's Jan 2019 – Jan 2021

Role: Java Developer

- Worked on implementing a scalable web development operation, including **customer portals** and **billing systems**, ensuring robust functionality and user-friendly interfaces.
- Worked closely with the team to gather requirements, conduct thorough **testing**, and ensure smooth deployment of solutions, resulting in timely product delivery.
- Applied advanced **object-oriented** principles and **design patterns** (e.g., MVC, Singleton, Factory), maintaining clean, reusable Java codebases for improved efficiency and scalability.
- Utilized **Angular** and **Angular Material** to design dynamic user interfaces across the customer portal
- Leveraged **Spring and Hibernate** frameworks to accelerate development cycles, seamlessly integrating new features and ensuring compatibility with existing systems.
- Conducted rigorous code reviews and facilitated knowledge-sharing sessions, fostering a culture of continuous improvement and high code quality within the team.
- **Optimized application performance** by conducting detailed analysis and profiling, achieving 10% improvement in system responsiveness.
- Adhered to industry best practices and internal security standards to develop secure Java applications, ensuring **data integrity and** protecting user privacy.
- Systematically **debugged and troubleshot** complex production issues, minimizing downtime, and ensuring business continuity.
- Integrated and rigorously tested Java modules, ensuring **seamless compatibility** across the application ecosystem.
- **Automated repetitive tasks** using customized **build scripts** and robust **CI/CD pipelines**, improving development efficiency and deployment reliability.
- Configured and optimized Java application servers, ensuring optimal performance, scalability, and resource utilization in production environments.
- Monitored and analyzed application logs and performance metrics to proactively identify and address performance bottlenecks, improving system efficiency.
- Migrated legacy customer portals to **Azure App Services**, reducing on-premises infrastructure costs by 30%
- Designed and spearheaded **RESTful APIs** and their integration with Angular services to enable efficient **data exchange** and **interoperability** between diverse applications and systems.
- Deployed and managed Java applications using AWS and Azure cloud-based solutions, ensuring scalability and effective resource management.
- Participated in performance optimization initiatives, achieving measurable improvements in application response times and overall efficiency.

Tools used: Spring, Hibernate, Java EE, CI/CD pipelines, AWS, Azure, Tomcat, RESTful APIs, Java migration, Build scripts

EDUCATION

Master of Science in Computer Science

Lamar University

Relevant Coursework: Data Structures and Algorithms, Cloud Computing, Software Engineering, Operating Systems

CERTIFICATIONS

- AWS Certified Solutions Architect Associate