**Ranjeet Kumar**

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**Summary:**

* Senior Full stack **Java/J2EE** Developer with 14+ years of experience in designing, developing, supporting and deploying robust and scalable enterprise applications. Proven expertise in software architecture, system integration, and agile development methodologies. Skilled in optimizing application performance and implementing industry best practices to ensure high-quality deliverables. Reducing deployment cycle time via DevOps (CI/CD) automation. Passionate about working with cross-functional teams to deliver high-impact solutions for business growth.
* Implemented Object-Oriented Design Principles and SOLID principles, with a strong emphasis on Test-Driven Development (TDD) to ensure code quality and reliability.
* Extensive experience with a variety of AWS services, EC2, S3, Lambda, SQS, SNS, ElastiCache,Redis cache, DynamoDB, to build and deploy cloud-native applications.
* Adept at coding in Java utilizing modern frameworks and libraries such as Spring Boot to develop efficient and maintainable code.

| Programming Language | Java 17, HTML, , Spring MVC , XML, Python, Unix , Shell scripting, J2EE, SOA, Micro services, Spring boot, Component-based, Pivotal Cloud foundry(PCF) ,AWS , react js |
| --- | --- |
| Web Technologies | Spring, Spring Boot, Spring MVC, Struts, Eclipse RCP (UI), Spring Cloud, XML Gateway, Akana gateway, ORM/Hibernate, JSP, RMI, JMS, Axon, Web Services – REST/Micro services/ SOAP, EHCache, Redis cache, Junit, git , Github, CI/CD pipelines, YAML, devops , |
| Database | Oracle DB, IBM DB2, Apache NiFi, PostgreSQL, TOAD, MongoDB |
| Servers | Apache Tomcat , JBOSS , Web server , WebLogic |
| Messaging | Apache Kafka , JMS |
| Cloud services | AWS , Pivotal cloud foundry (PCF) |
| Build script | ANT , MAVEN |
| Scripting/automation | Shell scripting , Python , QTP |
| API Gateway , load balancer | Akana API gateway ,Akamai , F5 , Eureka, Hystrix, Ribbon, Zuul |
| OS | Window , Unix ,VMWARE |
| Tools | Splunk , dynatrace , AppDynamics , Datadog , Service now , Remedy , Cherwell , GSM , putty , Winscp , Check style , PMD , sonar cube , Visual VM , Memory analyzer tool (MAT) , Open API Specification (Swagger), Jenkin |
| Process/Methodology | Agile, Scrum, Kanban , SAFE |
| Soft skills | Leading and coordinating team with onsite and off shore |

# **Professional Summary:**

Charter Communications, St louis, MO Jan 2021 – Present

**Java Backend Developer**

* Designed, developed and supported highly scalable and fault-tolerant micro services responsible for receiving, transforming, acquiring, composing, and delivering communications to customers.
* Developed micro services to be configuration-driven and communication-agnostic with the ﬂexibility to onboard any new communication with zero code changes.
* Eliminated the need for the micro service to be singleton by segregating the NFS polling logic into separate modules and achieved 2X improvement in the performance of the transformation module.
* Designed API endpoints to support CRUD operations, adhering to REST principles and integrated OAuth2.0 authorization ﬂows for secure access to the APIs.
* Integrated in house cloud SNS and SQS to create robust, scalable, and decoupled asynchronous messaging systems, ensuring reliable communication between micro services.
* Leveraged Docker to containerize applications and integrated with CI/CD pipelines and reduced the deployment time by 30%.
* Designed an automated integration testing framework to ensure reliability and stability of complex systems and incorporated them into CI/CD pipelines using Jenkins.
* Developed custom dashboards and alerts in Splunk to provide real-time insights into system performance, application heath, and security events.
* Developed custom dashboards and alerts in Datadog for production proactive monitoring and alerting. This avoided almost 40% downtime and reduced SLA time significantly. Also it increases availability of application to almost 99%.
* Led architecture design sessions and mentored a team of software engineers, fostering a collaborative and innovative development environment.
* Developed python batch job to patch the fall back data in production environment.
* Monitored and optimized application performance, achieving a 25% reduction in response time and increasing application throughput by 30% using JVM tuning.
* Wrote and maintained unit and integration tests, increasing test coverage by 35%, which reduced post-release defects by 20%.
* Environment: Java 17/J2EE, Hibernate, Spring, Spring Boot, Spring Batch, python, react js ,Web Services (Micro services, REST and SOAP), Spring Cloud, AWS, S3, Netflix Cloud stack (Eureka, Hystrix, Ribbon, Zuul), Kubernetes, Docker, Oracle, IBM DB2, SQL, PL/SQL, App Dynamics, Splunk, Datadog UCM, Unix, Linux, AWS, Gitlab CI/CD, bit bucket.

WorldPay ,Cincinnati, OH Dec 2018 – Jan 2021

**Java backend developer**

* Integrated with third-party financial services APIs to fetch report for Customer transaction and fraud report based on merchants.
* Implemented a strategy to pull the report from 3rd party providers, encrypt it, and upload it into AWS S3 object store.
* Designed and implemented an Orchestration service that acts as a smart proxy with an automated fallback capability to fetch the report.
* Used AWS SNS in conjunction with SQS and webhooks to broadcast messages to multiple subscribers, enhancing the system’s real-time capabilities.
* Implemented Lambda functions triggered by events from S3 file uploads and thereby created decoupled systems.
* Leveraged the capabilities of non-relational databases to build scalable data storage solutions,
* Created Docker images and used managed Docker containers for various applications, enabling seamless deployment and scaling.
* Adhered to test-driven development and monitored static code analysis tools like SonarQube and PMD check style to detect and fix any code smells and bugs.
* Optimized SQL queries and database interactions, reducing query execution time by 50% and increasing data processing efficiency.
* F5 load balancer, routing applications from primary to secondary or secondary to primary or co processing of applications. Disaster recovery, PCI certification of applications.
* Taking and analyzing TCP dumps, heap dumps, CPU/memory analysis, thread dumps.
* Analyzing network trace for connectivity, telnet and requesting firewall for new servers and applications.
* Certificate renewal of the application and servers.
* Monitoring applications using splunk and Appdynamics and creating alert and dashboard for proactive monitoring and alerting.
* Environment: Java 1.8/11, J2EE, Spring, Hibernate, XML, JSON, Web Services, Log4j, Oracle, PL/SQL, JUnit, JBoss 6.2, Apache 2.4, Eclipse, TOAD, PostgreSQL, BMC Remedy, service now, Linux, Putty, WINSCP, SPlunk , Appdynamics , Dynatrace. PL/SQL. REST , SOAP , AWS , Python , postman , shell scripting.

MasterCard, O Fallon, St Louis, MO May 2015 –Dec 2018 Java J2EE Developer

Implemented Spring MVC, Hibernate, JSON, Web Services and applied various design patterns including MVC, Singleton and Factory patterns.

* Implemented lightweight utility libraries with algorithms to parse the data from devices following different protocols.
* Developed and supported SOAP based web service using IBM JAX-WS frameworks.
* Developed Class Diagrams, Sequence Diagrams, and Workflow charts for the requirements. Preparing Design Specifications, Functional Specifications.
* Implemented APIs using Spring Framework, Spring Boot, REST and Java 8 features.
* Used Log4J logging framework for logging messages with various levels written throughout Java code.
* Worked on Oracle database and wrote queries, procedures and cursors using PL/SQL for data analysis. Supported the migration of database from Oracle to PostgreSQL.
* F5 load balancer, routing applications from primary to secondary or secondary to primary or co processing of applications. Disaster recovery, PCI certification of applications.
* Taking and analyzing TCP dumps, heap dumps, CPU/memory analysis, thread dumps.
* Analyzing network trace for connectivity, telnet and requesting firewall for new servers and applications.
* Certificate renewal of the application and servers.
* Worked on applications PCI certification and working and fixing on the bugs related to applications in production environment.
* Extensive experience with ITSM for all complete process for production issue from occurrence to closure with proper fix.
* Optimized SQL queries and database interactions, reducing query execution time by 50% and increasing data processing efficiency.
* Worked as production support lead for multiple applications for proactive monitoring, alerting and reporting issues.
* Enhanced security by integrating authentication and encryption protocols, reducing security vulnerabilities by 35% and achieving 100% compliance with GDPR.
* Monitored and optimized application performance, achieving a 25% reduction in response time and increasing application throughput by 30% using JVM tuning.
* Created and maintained splunk proactive alert monitoring which reduced almost 40% of application outages which improved the application availability to almost %99.

Environment: Java 1.8/1.7, J2EE, Spring, Hibernate, XML, JSON, Web Services, Log4j, Oracle, PL/SQL, JUnit, JBoss 6.2, Apache 2.4, Eclipse, TOAD, PostgreSQL, BMC Remedy, PGAdmin III, Linux, Putty, WINSCP

Ericsson, Greater Noida, India Dec 2010 – May 2015

Senior Software Engineer

* Worked on application development involving Core Java using multithreading, Spring Core, RMI and JMS. Developed various helper classes following Core Java multi-threads and Collection classes.
* Analyzed requirements and user stories to design various application modules. Participated in the requirement meetings with Product Owner to understand business requirements and discuss challenges.
* Assisted Product Owner for continuous Backlog refinement and make sure Acceptance Criteria is clearly documented and understood by the development team.
* Led the team of 9 members and removing team’s impediments and responsible for the deliveries.
* Developed Class Diagrams, Sequence Diagrams, and Workflow charts for the requirements.
* Conducted design and code reviews and documenting the same.
* Provided solutions to technical issues and involved in development task for the application releases.
* Developed unit test cases while participating in code reviews with teams to improvise code quality.
* Developed and maintained Java-based applications, increasing overall system performance by 20% through code optimization and refactoring.
* Designed and implemented object-oriented solutions that improved modularity and reusability, reducing development time by 15% across projects.

Environment: Java 1.7, J2EE, Spring, XML, JMS, Mockito, Eclipse, Eclipse RCP, RMI, JMS, Jenkins, JIRA, Confluence, Agile, Mockito, Junit, JVisual VM, ClearCase, Agile, Scrum, Ant, Unix, Linux

Avaya, Bengaluru, India Jun 2009-Dec 2010

Software Engineer

* Designed, coded and unit tested in Java and Spring. Involved in the development of GUI using Java Swing.
* Implemented business logic using Core Java and integration of the multiple modules.
* Supported User Acceptance Test and maintained software versioning using IBM ClearCase.
* Built the application jar using Ant.
* Involved in Debugging/Troubleshooting the postproduction issues and fixing them.
* Worked in Agile environment. Wrote Junit test case for code quality and Implemented Sonar report, PMD and check style for code quality.

Environment: Java 1.5, J2EE, Eclipse IDE, Ant, XML, ClearCase, Unix

# **Education & Certifications:**

* Bachelor of Technology in Electrical and Electronics Engineering, National Institute of Technology Calicut, Kerala, India
* Oracle Certified Associate, Java SE 8 Programmer