Yaswanth Kumar
Full Stack Java Developer
popuriyaswanthkumar@gmail.com
(940) 290-0468

CAREER OBJECTIVE

- 5 years of experience as a Full Stack Java Developer, specializing in designing and optimizing high-performance applications using Java, Spring Boot, and Microservices. Proficient in AWS, Azure, Kafka, and CI/CD pipelines. Expertise in developing scalable RESTful APIs, event-driven architectures, and database optimizations that enhance efficiency and reduce response times by 30%.

Education Details

- Master's degree — Sep 2022 – Dec 2023
  - University of Alabama at Birmingham — Data Science — 3.4/4 GPA
- Bachelor's degree — Apr 2016 – Mar 2020
  - K L University — Electronics and communication engineering — 9.4/10 GPA

Professional Summary

- ✓ 5 years of experience as a Full Stack Java Developer, specializing in Java, Spring Boot, Microservices, and cloud computing (AWS, Azure) to build scalable and high-performance applications.
- ✓ Strong expertise in Core Java (OOP, Collections, Multithreading, Data Structures & Algorithms) and design patterns (Singleton, Factory, MVC), ensuring efficient and maintainable code.
- ✓ Developed and optimized RESTful APIs and microservices-based architectures, improving system scalability and reducing API response times by 30%.
- ✓ Kafka expert with hands-on experience in event-driven architectures, streaming data pipelines, and real-time message processing for large-scale applications.
- ✓ Optimized time complexity for high-volume data processing systems, reducing execution time from $O(n^2)$ to $O(n \log n)$ using efficient sorting and search algorithms.
- ✓ Skilled in frontend development using React.js, Angular.js, Vue.js, ensuring a seamless user experience and strong UI/UX focus.
- ✓ Cloud & DevOps Proficiency: Hands-on with AWS (S3, EC2, Lambda, RDS), Azure, Kubernetes, Docker, Jenkins, CI/CD pipelines, ensuring robust deployments and high availability.
- ✓ Database Management & Optimization: Proficient in SQL Server, PostgreSQL, MySQL, MongoDB with expertise in query optimization, indexing, and schema design.
- ✓ Experience in containerized applications (Docker, Kubernetes) and API management using Apigee, REST, SOAP for secure and efficient service communication.
- ✓ Strong background in low-code automation (Appian), process optimization, and integrating third-party services to streamline business workflows.
- ✓ Experienced in secure authentication & authorization mechanisms including OAuth 2.0, JWT, LDAP, ensuring compliance with security best practices.
- ✓ Proven ability to collaborate with cross-functional teams, troubleshoot production issues, and deliver solutions that drive efficiency and performance improvements.

TECHNICAL SKILLS

Programming Languages	Java, Python, C++, SQL, PL/SQL
Frameworks	Spring Boot, Hibernate, Struts, Spring MVC, Spring Security
Frontend Technologies	React.js, Angular, Vue.js, JavaScript, HTML5, CSS3
Application Servers	IBM Web Sphere 7.0, Apache Tomcat, JBOSS, RabbitMQ, AWS SQS, AWS SNS
Database	PostgreSQL, MySQL, MongoDB, SQL Server, Oracle 11g
Cloud & DevOps	AWS (S3, EC2, Lambda), Azure, Docker, Kubernetes, Jenkins, CI/CD
Tools & Technologies	Kafka, RabbitMQ, Apigee, Selenium, JIRA, Git
Development Tools	Eclipse, STS, IntelliJ IDE, Visual Studio.
Testing Tools	JUnit, Mockito, BDD, Cucumber, Selenium, and JMeter.

Professional Experience:

Regions Bank, Birmingham, Alabama Feb 23 - Present

Java Full Stack Developer

Responsibilities:

- Developed and optimized microservices-based applications using Spring Boot, Java, and Kafka, improving API response time by 30% and ensuring seamless data processing.
- Designed and implemented RESTful APIs, integrating with third-party services and handling millions of transactions per day.
- Managed CI/CD pipelines using GitHub Enterprise, Jenkins, and SonarQube, ensuring automated deployments and high code quality.
- Deployed and containerized Java applications using Docker and Kubernetes, reducing deployment time by 40%.
- Implemented event-driven architecture using Apache Kafka, ensuring real-time data processing and system scalability.
- Optimized SQL queries and database performance in Oracle 12c, MySQL, and PostgreSQL, reducing query execution time by 50%.
- Integrated security best practices, implementing OAuth 2.0, JWT, and LDAP authentication to enhance API security.
- Developed and maintained interactive user interfaces using Angular, React.js, and Vue.js, improving user engagement by 25%.
- Automated testing using JUnit, Mockito, and Selenium, improving test coverage and reducing regression defects.
- Migrated legacy systems from DB2 to Azure Cosmos DB, ensuring smooth data transition with minimal downtime.
- Designed and implemented efficient algorithms in Java to enhance application performance, applying Graph Algorithms (Dijkstra, BFS, DFS), Dynamic Programming, and Greedy Algorithms for complex problem-solving.
- Led cross-functional teams, collaborating with front-end, DevOps, and database engineers to ensure seamless integration of microservices and cloud-based deployments.
- Utilized cloud services like AWS EC2, S3, Lambda, RDS, and implemented monitoring using Azure DevOps.
- Designed workflow automation using Appian low-code platform, streamlining business processes and reducing manual efforts by 30%.
- Developed Kafka-based event-driven microservices, ensuring real-time data streaming and processing for millions of transactions daily.
- Designed and implemented automated testing frameworks using JUnit, TestNG, Mockito, and Selenium, reducing manual testing efforts by 50% and improving software reliability.
- Integrated AI-powered test automation tools like Test.ai to enhance regression testing and detect UI inconsistencies, reducing defect leakage in production by 40%.
- Developed Behavior-Driven Development (BDD) test cases using Cucumber to improve collaboration between developers, testers, and business stakeholders.
- Developed AI-powered predictive analytics models using Python and TensorFlow, enhancing fraud detection and anomaly recognition in banking transactions.
- Implemented NLP-based chatbots for automating customer support processes, reducing response times and improving user satisfaction.
- Optimized database interactions by implementing batch processing, indexing, and query optimization, reducing query execution time from seconds to milliseconds in high-traffic applications.
- Developed a caching mechanism using LRU (Least Recently Used) and LFU (Least Frequently Used) algorithms, reducing redundant API calls and improving response times by 40%.
- Leveraged AI-driven code review tools like DeepCode and Codacy to identify potential vulnerabilities and enforce coding best practices automatically.

Environment: Spring Web MVC, Spring Data JPA, Kafka, Oracle 12c database, RSETful web services, Spring Security, Spring AOP, HTML5, CSS3, JavaScript, AWS EC2, Docker, Junit, JIRA.

Cognizant Hyderabad, Telangana, India Dec 2019–Sep 22
Java Full Stack Developer
Responsibilities:

- Developed enterprise-grade web applications using Java, Spring Boot, and Hibernate, ensuring scalability and high availability.
- Designed and implemented microservices architecture, enabling better modularity and maintainability of applications.
- Built and consumed RESTful and SOAP APIs, improving system communication and reducing API response times.
- Developed and optimized SQL queries, implementing indexing and caching strategies to improve database efficiency.
- Implemented CI/CD pipelines using Jenkins, Maven, and Git, ensuring seamless deployment with zero downtime.
- Enhanced front-end performance by building dynamic web applications using React.js, Angular, and Vue.js.
- Designed and developed security protocols using Spring Security, OAuth 2.0, and JWT, ensuring authentication and authorization compliance.
- Automated unit testing with JUnit and Mockito, increasing test coverage and ensuring application stability.
- Developed Kafka producers and consumers, handling real-time event-driven architecture for high-throughput data processing.
- Integrated applications with cloud services, deploying solutions on AWS EC2, Lambda, and Azure DevOps.
- Worked on large-scale data migration projects, ensuring seamless transitions between on-premises databases and cloud-based solutions.
- Troubleshot and resolved production issues, reducing downtime by 40% through efficient debugging and root cause analysis.
- Implemented Appian-based process automation, reducing manual intervention and improving system efficiency.
- Redesigned RESTful API endpoints using optimized JSON serialization/deserialization techniques, reducing payload size by 50% and improving API response times.
- Led performance optimization initiatives, identifying and resolving bottlenecks in both backend and frontend applications.
- Rewrote inefficient loops and recursive functions with optimized memoization and tail recursion, improving application performance and reducing memory overhead by 35%.
- Automated performance testing using JMeter, simulating high-traffic scenarios and identifying system bottlenecks before deployment.
- Implemented custom data structures (Trie, HashMap, Priority Queue) to handle large-scale datasets efficiently, reducing lookup time from O(n) to O(1) or O(log n).
- Implemented CI/CD-driven test automation pipelines using Jenkins, GitHub Actions, and Azure DevOps, ensuring seamless automated deployments with real-time testing.
- Developed and maintained test data management strategies, using synthetic test data generation techniques to improve test coverage in dynamic environments.
- Integrated AI-based log analysis using ElasticSearch, Kibana, and ML-based anomaly detection, reducing incident resolution times by 35%.
- Worked on AI-powered recommendation engines, integrating machine learning models with microservices architecture for real-time personalized suggestions.
- Implemented AI-driven anomaly detection for Kafka event streams, proactively identifying data inconsistencies and preventing system failures.
- Integrated Kafka with AWS Lambda and S3, enabling real-time event storage and processing in a serverless architecture.

Environment: Java 1.8, Eclipse 3.2, STS, Apache Tomcat, JIRA, S3, MongoDB, Postman, Kafka, AWS, CI/CD, HTML5, CSS3, JavaScript.