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

CAREER OBJECTIVE

- As a passionate Full Stack Java Developer. I aim to contribute to innovative and scalable software solutions by leveraging my expertise in Java, Spring Boot, Microservices, and cloud platforms (AWS & Azure). I am committed to driving performance improvements, building secure and maintainable code, and collaborating within agile teams to deliver impactful business outcomes.

Professional Summary

- ✓ 6 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.
- ✓ Developed high-performance distributed applications using Scala, leveraging Akka and Play Framework to build reactive and fault-tolerant microservices.
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- ✓ Refactored existing Java-based codebase to Scala, leveraging functional programming paradigms like higher-order functions, monads, and immutability, making the code more concise and maintainable.
- ✓ 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.
- ✓ I developed scalable backend services using Node.js and Express, handling API requests for high-traffic applications and integrating them seamlessly with frontend interfaces built in React and Angular.
- ✓ 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.

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 2023 - 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.
- I built and optimized RESTful APIs in Node.js, enabling smooth communication between microservices, and used Postman for testing and validating endpoints.
- I integrated Node.js services with MongoDB and MySQL, implemented caching mechanisms using Redis, and handled complex data operations to improve response time by 40%.
- I used Python scripts to automate backend data processing tasks, such as cleaning and transforming data before sending it to the Java-based microservices.
- I developed RESTful APIs in Flask for lightweight services that complemented our Java Spring Boot backend, especially for handling quick data retrieval or integration with third-party tools.
- Implemented Akka Streams for real-time data processing, reducing memory footprint and ensuring non-blocking asynchronous execution.
- Built and deployed RESTful APIs using Play Framework, improving response times and optimizing request handling through lazy evaluation and futures.
- Utilized Scala's advanced pattern matching and case classes to simplify business logic and reduce boilerplate code by 30%.
- I collaborated with UI/UX designers to convert Figma and Adobe XD wireframes into responsive web pages using Angular and Bootstrap, ensuring cross-browser compatibility and pixel-perfect alignment.
- I implemented dynamic UI components using Angular and JavaScript that enhanced user interaction and overall experience, while also integrating REST APIs built with Spring Boot for seamless data flow.
- 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, Python, UI/UX, Kafka, Oracle 12c database, RSETful web services, Spring Security, Spring AOP, HTML5, CSS3, JavaScript, AWS EC2, Docker, Junit, JIRA.

Cognizant Hyderabad, Telangana, India   **Dec 2018 - Sep 2022**
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 parallel and concurrent programming in Scala using Futures, Promises, and Akka Actors, enabling seamless execution of high-throughput workloads.
- Optimized Spark jobs by replacing UDFs (User Defined Functions) with native Scala functions, reducing execution time in large-scale batch processing.
- Developed custom DSLs (Domain Specific Languages) in Scala, enabling non-technical users to define rules and configurations dynamically.
- Integrated functional error handling mechanisms using Try, Option, Either, and Cats library, ensuring robust error handling with minimal performance overhead
- 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.
- I deployed Node.js applications to AWS EC2 and Lambda, containerized them using Docker, and automated deployments through Jenkins and CI/CD pipelines, ensuring zero-downtime rollouts.
- 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%.
- I integrated Python-based machine learning models into the Java application by setting up a communication layer using REST APIs, allowing our app to deliver intelligent, data-driven features to end users.
- I conducted user testing and gathered feedback, then iterated on UI designs by improving navigation, reducing user clicks, and simplifying workflows to enhance usability and retention.
- I optimized front-end performance by lazy-loading Angular modules, minimizing bundle sizes, and enhancing rendering speed, which led to a smoother and faster user experience across all devices.
- 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, Python, Apache Tomcat, JIRA, S3, MongoDB, Postman, Kafka, AWS, CI/CD, HTML5, CSS3, UI/UX, JavaScript.