
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 codes, 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%.
- Innovative individual with commendable experience in developing User Interface using Angular 4 framework, ReactJS, HTML, CSS, JavaScript.
- Kafka expert with hands-on experience in event-driven architecture, 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 seamless user experience and strong UI/UX focus.
- Experience in object-oriented programming (OOP) concepts using Python, C++ and PHP. Good experience in Shell Scripting, SQL Server, UNIX and Linux.
- Experience in User Experience (UX) design and development, User Interactive (UI) Web Pages and visually appealing User Interfaces using HTML 5, CSS3, Bootstrap, SASS, JavaScript, JQuery, Vue.js, Angular.js, Angular 2/4, Typescript, Node.js and React.js.
- Developed high-performance distributed applications using Scala, leveraging Akka and Play Framework to build reactive and fault-tolerant microservices.
- Developed high-performance distributed applications using Scala, leveraging Akka and Play Framework to build reactive and fault-tolerant microservices.
- 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.
- Experienced in WAMP (Windows, Apache, MYSQL and Python) and LAMP (Linux, Apache, MySQL, and Python) Architectures and good experience in setting up REST API using Django.
- Experience in implementing Auto Complete/Auto Suggest functionality using Ajax, JQuery, DHTML, Web Service call and JSON.
- Expertise in Python Full Stack development (Python2/3, Django, Flask, AngularJS, JQuery, Bootstrap, MySQL/PostgreSQL/Oracle, Elasticsearch, MongoDB, Redis, RabbitMQ, AWS/OpenStack etc).
- 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.
- Strong experience in developing software in Python libraries to speed up development (libraries used: Beautiful Soup, NumPy, SciPy, Matplotlib, python -twitter, Pandas data frame, network, urllib2, MySQL dB for database connectivity, JSON libraries).
- I have work experience with various Python Integrated Development Environments like PyCharm and sublime text and wrote Lambda functions in python for AWS's Lambda, Kinesis and Elastic Search which invokes python scripts to perform various transformations and analytics on large data sets in AMAZON EMR clusters.

- Solid knowledge in Relational Database (Oracle 19c, PostgreSQL 12, MySQL 8, MS-SQL) and NoSQL Databases (MongoDB 4 , Cassandra , Redis 5, Elasticsearch 5). Fluent in using persistent layer frameworks like Hibernate, Spring Data JPA, and Mongooose.
- Experienced in secure authentication & authorization mechanisms including OAuth 2.0, JWT, LDAP, ensuring compliance with security best practices.
- Experienced in creating Docker containers using Docker files to run multiple microservices applications worked on Docker components like Docker Engine , Docker Hub and Docker Registry.

TECHNICAL SKILLS

Languages	JAVA 8/7/6, C, C++, PL/SQL. Python
Web Technologies	HTML5, JavaScript, Typescript, XML, CSS, AJAX, AngularJS, Angular5, Angular JS, Angular 7,8,9,10,11,12 Angular CLI, Node.js, Express.js, React.js, Redux, java., React.js, jQuery.
J2EE Technologies	Servlets 3.0, JSP, JMS, JDBC, Hibernate 4.x, Spring 4/3, JPA.
Servers	Tomcat 8/7/6, WebLogic 12/11.
Databases	SQL Server 2008, MySQL 5, PostgreSQL, MongoDB.
Web Services	REST, SOAP.
Operating Systems	Windows 10/8/7/XP, Unix.
Development Tools	Eclipse, IntelliJ, Visual Studio, Sublime Text.
Building Tools	Maven 3.x, Gradle.
Testing Tools	Junit 4/5, Mockito, Selenium, Cucumber.
Frameworks	Struts, Spring 4.3, MVC, Spring Security, Spring Boot, Hibernate 2.0/3.0/4.x, Spring Cloud.
Networking:	HTTP, HTTPS, SSL, SSH, SIP, IPv4, IPv6, SFTP, FTP, TCP
Version Control Tools	GIT, SVN.

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.
- Building complex Automation flows using Ansible Galaxy by creating requirements in .yaml file and modifying existing Docker file and Ansible Play Book Bundle . Provisioned services in OpenShift platform.
- 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%.
- Deployed Microservices using Docker and AWS Elastic Container Service .
- Developed a fully automated continuous integration system using Git, Gerrit, Jenkins, MySQL and custom tools developed in Python and Bash.
- Worked on design, implementation and modifying the Python code, SQL, NoSQL schemes such as mongo DB, Cassandra, PostgreSQL, Oracle database schema on-the back end, transferred data from present system to AWS cloud.
- Integrated security best practices, implementing OAuth 2.0, JWT, and LDAP authentication to enhance API security.
- Performed minor changes in micro services in Spring Boot to support changes in Angular .
- Worked with VUE JS Forms, Validations, Modules, Components, directives, controllers and HTTP Request.

- Developed and maintained interactive user interfaces using Angular, React.js, and Vue.js, improving user engagement by 25%.
- Developed GUI using HTML3, CSS3, XHTML and JavaScript, Angular JS framework to simplify the complexities of the application.
- 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 problemsolving.
- Designed and configured MySQL database and back end applications and programs. Developed elaborate Python scripts to migrate data from proprietary database to MySQL.
- Worked on ETL Processing which consists of data transformation, data sourcing and also mapping, Conversion and loading. Worked on creating custom ETL scripts using Python for business related data.
- Experience in Vue.JS for building apps and declarative templates with data-binding, created some custom directives in the application.
- 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.
- Building/Maintaining Docker container clusters managed by Kubernetes Linux, Bash, GIT, Docker, on GCP .
- 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.
- Worked with Lucene, EC2, Apache, Python, AWS, MySQL, Java and mod python to keep data current and keep knowledge representation models relevant to user experience.
- 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 nonblocking asynchronous execution.
- Developed GUI using HTML3, CSS3, XHTML and JavaScript, Angular JS framework to simplify the complexities of the application.
- 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.
- Used AWS Beanstalk for deploying and scaling web applications and services developed with Java, PHP, Node.js, Python, Ruby, and Docker on familiar servers such as Apache, and IIS.
- Integrated AI-powered test automation tools like Test.ai to enhance regression testing and detect UI inconsistencies, reducing defect leakage in production by 40%.
- Wrote and executed various MYSQL database queries from Python using Python-MYSQL connector and MySQL dB package also used Pandas library for statistical Analysis
- Developed and tested many features for dashboard using Flask, CSS and JavaScript and Developed backend of the application using the flask framework and Developed server-based web traffic using RESTful API's statistical analysis tool using Flask, Pandas. Analyzed the SQL scripts and designed the solution to implement using PySpark.
- Developed Behavior-Driven Development (BDD) test cases using Cucumber to improve collaboration between developers, testers, and business stakeholders.
- Developed Database Access Objects (DAO) using the Spring Hibernate Support and using Hibernate Query Language (HQL).

- Used GitHub for Python source code version control, Jenkins for automating the build Docker containers, and deploying in Mesos, Aws S3. Extensively worked in designing star schema, Snowflake schema for Data Warehouse, ODS architecture.
- 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.
- I wrote and executed various MySQL database queries from python using Python-MySQL connector and MySQL dB package.
- Used Vue.js events distribution and parent chain for parent-child component communication
- 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.
- Developed Angular applications based on Angular 4. Written components backing dash-board pages like forms, data tables.

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.
- Experience in working in Windows, MAC, Linux and UNIX platforms including programming and debugging skills in Unix Shell Scripting.
- Developed and optimized SQL queries, implementing indexing and caching strategies to improve database efficiency.
- Rewritten existing Python/Django module to deliver certain format of data and created database using MySQL, wrote several queries to extract data from database and wrote scripts in Python for extracting data from HTML file.
- Integrated of data storage solutions using Django ORM system for MongoDB and Used Unit Test Python library for testing many programs on python and other codes.
- 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.
- Virtualized the servers using the Docker for the test environments and dev-environments needs. And also configuration automation using Docker containers.
- Wrote HTTP Ajax calls in angular services using ReactJS to get data from backend micro services.
- Automatically updated table data with Vue data binding.
- 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 highthroughput data processing.
- Good at developing Big data-based Solutions using Hadoop and Spark, Information Retrieval and Machine Learning areas. Experience with Django and Flask a high-level Python Web framework.
- Built different pages and forms on click-side by using HTML5, Bootstrap and CSS3.
- 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.
- Troubleshoot 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 JSP's in conjunction with JavaScript and AJAX to make the HTML pages more user-friendly.
- Developed Merge jobs in Python to extract and load data into MySQL database and Worked on MYSQL data lineage process to map source to target DB, table and column mappings using OO Python. Worked on the implementation of OAuth for client.

- Developed custom DSLs (Domain Specific Languages) in Scala, enabling non-technical users to define rules and configurations dynamically.
- As a developer, created a script to validate the efficiency and fall back of new Cloud database using Jenkins tools.
- Developed GUI using HTML3, CSS3, XHTML and JavaScript, Angular JS framework to simplify the complexities of the application.
- Developed entire front-end and backend modules using Python on Django Web Framework and designed and developed data management system using MySQL.
- Developed single page applications using Angular 2, Vue.js, Typescript, web pack and grunt.
- 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.
- Designed and developed Oracle forms & reports generating up to 60 reports and worked on changes to AWS to accommodate large-scale data center deployment. Designed and developed a horizontally scalable APIs using python Flask.
- 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%.
- Developed the online web application using HTML/CSS & JavaScript, Angular.js /Angular4/5, Vue.js, Node.js, Spring Boot, Spring MVN and Bootstrap.
- Built different pages and forms on click-side by using HTML5, Bootstrap and CSS3.
- 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.
- Utilized JavaScript Escape before inserting untrusted data into JavaScript data values.\
- Back End Programming: Primarily focused on database and maintenance. Wrote SQL scripts to create triggers and stored procedures.
- 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.