

SIBTAIN RAZA

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JAVA BACKEND DEVELOPER

As a skilled backend Java engineer with over 5 years of experience, I have a proven track record of successfully leading the development of new projects as well as maintaining and adding new functionalities to existing legacy projects. With a strong foundation in core Java, expertise in various frameworks such as Spring and Hibernate and hands on experience with cloud platforms like AWS and Microsoft Azure, I am well-versed in designing and developing robust, scalable, and efficient applications.

My ability to collaborate effectively with cross-functional teams, strong analytical skills, and passion for problem-solving have enabled me to consistently deliver high-quality solutions. I am excited to leverage my expertise and experience to contribute to the success of your organization.

SDLC • Design Patterns • Front End & Back End Components • RESTful Web Services
Database Development • Object-Oriented Programming • Concurrency & Multithreading
Data Structures & Collections • Dependency Injection • Testing & Troubleshooting

Languages: Java (Expert), SQL (Fluent), Unix Shells Scripts (Beginner)

Web: XML, HTML5, JavaScript, CSS3, Bootstrap, Ajax, jQuery, Servlets

Web Services: RESTful

Web/App Servers: Tomcat, Apache HTTP Server

Frameworks: Spring (MVC, Boot, Cloud, Data, AOP, IOC), Microservices, Hibernate, Maven, Gradle, React.js, AngularJS, JUnit, Mockito

Databases: MySQL, Cosmos DB, PostgreSQL, Oracle, MongoDB, Redis

Design Patterns: Singleton, Factory, Builder, Adapter, Observer, Template, Decorator, MVC, Proxy, Façade, Front Controller, Microservices

SDLC: Waterfall, Agile

Tools: IntelliJ Idea, Eclipse, Spring Tool Suite, Postman, Docker, GitHub, Jenkins, Git, Slack, MySQL Workbench, Maven, Gradle, StarUML

Testing: JUnit, Mockito, Postman

Cloud Platforms: Microsoft Azure, AWS

Professional Summary

- Expertise in designing and developing enterprise level web-based applications using Java technologies and Frameworks like Hibernate, Spring (Spring Boot, IOC, MVC, REST, AOP, Security, ORM, Microservice), Web Services (RESTful), Multi-threading, etc.
- Build projects with build automation tools such as Maven and Gradle, utilizing containerization with Docker, implementing continuous integration and delivery (CI/CD) pipelines using Jenkins, and deploying monolithic applications and microservices on cloud platforms such as AWS and Azure.
- Facilitated daily stand-up meetings, sprint planning sessions, and sprint retrospectives to maintain project momentum, track progress, and identify areas for improvement.
- Collaborated with cross-functional teams, including managers, developers, and business analysts, to deliver high-quality solutions in accordance with Agile methodology, utilizing Scrum framework and Jira for project management.
- Followed major design patterns, including MVC, Singleton, Factory, and Dependency Injection to improve the maintainability, scalability, and extensibility of software systems, resulting in improved code quality and reduced time-to-market for new features and enhancements.
- Experienced in Developing Use Cases Diagrams, Activity Diagrams, Sequence Diagram, & ER diagrams with UML for new product functionality and upgrading legacy programs.
- Utilized automated testing tools, such as JUnit, Mockito, and Selenium to design functional testing, integration testing, and regression testing and maintained up-to-date documentation of testing processes and results to ensure full traceability and facilitate compliance with industry standards and regulations.
- Designed and implemented complex data models to support diverse business needs, utilizing both SQL and NoSQL database technologies to ensure flexibility and scalability.
- Actively participated in design and code reviews to provide feedback on proposed solutions, ensure alignment with project goals and identify opportunities for process improvement and new feature development.
- Demonstrated expertise in debugging and troubleshooting complex software bugs and issues, utilizing a range of tools and techniques, such as logging, IDE debugging tools, and error tracking software.
- Excellent communication, analytical and problem-solving skills and can learn new technologies very fast.

PROFESSIONAL EXPERIENCE

Kforce Inc., 1001 E Palm Ave, Tampa, FL 33605, USA • Dec 2022 – March 2023

Software solutions firm and staffing consultancy.

Software Engineer

Worked on The Home Depot's large scale projects migration from Gradle to Maven and deploying their project repositories.

Tasks Performed:

- Successfully led the migration of multiple large-scale projects from Gradle to Maven, resulting in improved build performance and streamlined build processes.
- Optimized build performance and efficiency of applications by fine-tuning the pom.xml file and managing dependencies to reduce build times and generating respective war, jar, and zip files for deployment to production environments.
- Demonstrated expertise in utilizing Maven's assembly plugin to create customized build artifacts for deployment and distribution in specific use cases, resulting in improved efficiency and reduced manual effort.
- Developed and maintained documentation to ensure smooth adoption of new build processes and tools.
- Updated Java and Spring Boot codebase and test cases during project migrations from Gradle to Maven libraries to ensure production of identical artifacts and maintain code quality throughout the migration process.
- Demonstrated expertise in integrating GitHub Actions with other DevOps tools, such as SonarQube, and Docker to facilitate seamless end-to-end software development and delivery.
- Utilized ChatGPT to address intricate challenges in writing Maven configuration, which led to enhanced development effectiveness and a 20% decrease in error rates.

Technologies Used: Java/Java EE, Spring (Core, Boot), Maven, Gradle, IntelliJ, Git, Junit, Docker

Flexton Inc., 2509 1st street, San Jose, CA 95131, USA • Nov 2020 – Dec 2022

Software development and staffing consultancy.

Software Engineer

Worked on Sam's Club's Express Returns project for online and in club orders and Purchase History module.

Tasks Performed:

- Developed and maintained backend application for Sam's Club's Express Returns service leveraging expertise in Java and backend development to improve performance, scalability, and maintainability.
- Led the integration of new services into the project using Agile project management techniques to ensure on-time delivery and seamless integration with existing systems.
- Leveraged Azure Key Vault to securely store and manage encryption keys, secrets, and certificates, ensuring compliance with industry and regulatory standards and resulting in a 40% reduction in security vulnerabilities.
- Developed custom test scripts in Postman, utilizing its features such as request chaining and test automation to automate testing processes, saving over 20 hours per week in manual testing time.
- Developed and deployed applications on Microsoft Azure, leveraging Azure Application Insights for application monitoring, Azure Cosmos DB for Database, and Azure Service Bus for cloud messaging.
- Utilized Java 8 features like Lambda expressions and Stream API for Bulk data operations on Collections which increased the performance of the Application and resulted 20% reduction in code complexity.
- Developed a custom Apache Camel component to handle a unique integration requirement for bundled items data in return orders, resulting in a 10% increase in accuracy.
- Identified and spearheaded the integration of a new API from a different team that helped in offloading large database tables, resulting in cost savings of over \$30,000 each month.
- Identified and fixed critical bug in the Purchase History module that prevented skipping of some sales orders, resulting in increased user satisfaction and a 10% reduction in data loss.
- Developed multithreaded modules using Java 8 features such as CompletableFutures, which resulted in improving the responsiveness and scalability of the application and 30% reduction in response time.
- Worked on different layers of Spring MVC architecture such as Spring - Controller, Service, and Repository classes.
- Developed Rest Controller in Spring framework to create RESTful APIs and JSON objects for communication.
- Built and managed containerized applications using Docker.
- Performed unit testing for all the working modules using Junit 4 and Mockito.
- Used Angular.js for connecting the Spring boot backend APIs with Angular HTTP Service.
- Successfully resolved Java compatibility issues by identifying and addressing version conflicts and Maven library updates, resulting in improved application stability and reduced downtime by 20%.
- Documented features, bug fixes and their Root Cause Analysis by creating Confluence pages.

Technologies Used: Java/Java EE, Spring (Core, Boot), JPA, Hibernate, REST, Eclipse, Maven, Gradle, Git Actions, Apache Camel, Azure Search, JUnit, Mockito

GLOBAL PROJECT SOLUTIONS, Karachi, Pakistan • Feb 2017 - Oct 2018

Software house offering web-based services like design, development, SEO, and digital marketing.

Research Analyst

Developed dashboard to retrieve data from Google Analytics, Webmaster, and Facebook pages. Contributed to several enterprise-level applications, building front end and back-end architecture from scratch. Proposed solutions for critical roadblocks and mentored junior developers.

Tasks Performed:

- Interacting with the client and created prototypes as per the business requirement.
- Created custom online payment gateway interfaces for e-commerce applications with PayPal using APIs.
- Implemented the application CI/CD pipeline Using Jenkins.
- Designed and implemented a Kafka-based data streaming solution for a real-time social media trends application, resulting in a 60% reduction in data latency and increased data accuracy.
- Introduced the use of a code generator called JHipster to build feature prototypes. It helped in getting a week worth of head start and expedited the deployment by 9 days.
- Migrated Web applications into AWS. Maintained and built the AWS environment, including setting up VPC environments and created EC2, RDS, S3 instances.
- Used AOP features of Spring framework, and JPA/Hibernate for Object Relational Mapping.
- Wrote HQL queries to handle data from databases using Hibernate APIs such as createQuery.
- Designed user-friendly interfaces using HTML5, CSS3, Bootstrap, jQuery, React, Angular JS, AJAX, and JSP.
- Secured and authenticated REST APIs using JWT and OAuth 2.0.
- Implemented multi-threading using java.util.concurrent API to improve the data processing.
- Configured Swagger for auto-generated documentation for all REST API calls.
- Reduced DB transaction time by 6.2 seconds by implementing Redis and using AOP for redundant logging and calls to DAO packages. Leading to a 7% reduction in application load time.
- Installed secured and configured AWS cloud servers and virtual servers using Spring Cloud for AWS.
- Deployed Spring Boot based microservices in Docker and Amazon EC2 container using Jenkins.
- Gained expertise incorporating offline storage, performance tuning and threading into apps for seamless use.

Technologies Used: Java 8 ,Java EE, Spring (Core, Boot), JPA, Hibernate, REST, HTML, CSS, JavaScript, React, Angular JS, jQuery, AJAX, JSP, MySQL, StarUML, AWS, Kafka, IntelliJ, Eclipse, STS, Maven, Git, Jenkins, JUnit, Mockito

WHERE YOU BEEN, Karachi, Pakistan • Sep 2015 - Dec 2016

WhereYouBeen provides B2B software solution and develops mobile applications.

Java Application Developer

Developed Java Android app to help users efficiently share and search relocation history among friends.

Tasks Performed:

- Employed third-party APIs to facilitate seamless access to external, in-app cloud data.
- Gained expertise incorporating offline storage, performance tuning and threading into apps for seamless use.
- Applied various techniques to locate bugs and errors in applications.
- Developed cron jobs for Push Notifications.
- Assessed app performance and code efficiency through benchmarking and optimization tests.
- Introduced automated testing which uncovered several bugs which used to slip unnoticed during manual testing.
- Delivered robust, error-free Java code following industry best practices.

Technologies Used: Java, Android Studio, JPA, Hibernate, REST, HTML, CSS, JavaScript, jQuery, AJAX, JSP, MySQL, Gradle, Git, JUnit, Mockito

ACADEMIC PROJECTS

SibMart, e-commerce Application MIU (2020): Designed and developed an e-commerce web application with key features such as sign up, sign in, add to cart, make payment via PayPal, Admin panel to add products etc.

Technologies Used: Thymeleaf, Spring Boot, HTML, CSS, JavaScript, AJAX, jQuery, REST, XML, Git, Maven, JSON, Docker, MySQL, Heroku

GitHub Link: <https://github.com/isibtain/sibtain-ecart>

Project Link: <https://sibtain-ecart.herokuapp.com/>

MIU Project Management Tool, MIU (2019): Implemented an online project progress management and task tracking application. The application features were based on Trello and Asana.

Technologies Used: HTML, CSS, Spring Boot, AJAX, React, REST, XML, Tomcat, Git, Maven, JSON, Docker, MySQL

GitHub Link: <https://github.com/isibtain/ppmTool>

Project Link: <https://ppmback.herokuapp.com/>

Facebook Clone Application, MIU (2019): In a group of 5, developed a clone of Facebook, including functionality to create a profile, upload a post, like, comment, follow, and notifications.

Technologies Used: Java, Spring Boot, Gradle, Swagger, Postman, HTML, CSS, ReactJS, Tomcat, REST, Docker, Git

GitHub Link: <https://github.com/isibtain/sibtain-socialmedia>

Project Link: <https://sibtain-socialmedia.herokuapp.com/>

Student Enrollment Management System, MIU (2020): Developed RESTful web services to automate the process of enrollment for CS students.

Technologies Used: Spring, Spring Boot, Spring MVC, Spring Data, JPA/Hibernate and Microservices

GitHub Link: <https://github.com/isibtain/enrolmentmanagement>

EDUCATION

Master of Science in Computer Science

(Aug 2019 – Dec 2021)

Maharishi International University – Fairfield, Iowa

Key Courses: Fundamental Programming Practices; Modern Programming Practices; Web Application Programming; Mobile Device Programming; Web Application Architecture; Enterprise Architecture

Bachelor of Science in Information Technology (Jan 2013 – Jan 2017)

NED University of Engineering & Technology – Karachi, Pakistan