

# SIBTAIN RAZA

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## JAVA BACKEND DEVELOPER

As a skilled backend Java engineer with around 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.

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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.

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## PROFESSIONAL EXPERIENCE

### **Target Corporation, 7000 Target Pkwy, Brooklyn Park, MN 55445, USA • June 2023 – July 2024**

Retail Corporation operates chain of discount stores.

#### **Senior Engineer**

Worked on Target's Search Platform to enhance and refine search experience for Target customers.

#### **Tasks Performed:**

- Spearheaded the development and optimization of a Kotlin, Micronaut and Kafka based application, enhancing the speed and reliability of product searches.
- Implemented and maintained monitoring solutions using Grafana and Kibana, providing real-time visibility into search performance metrics. This ensured prompt issue identification and resolution.
- Led the team in preparing for peak sale seasons, notably Black Friday, by implementing chaos testing strategies and testing application resiliency. This contributed to a smooth and reliable shopping experience for customers during high-traffic periods.

**Technologies Used:** *Java/Kotlin, Micronaut, Apache Solr, IntelliJ, Git, Spinnaker, GCP*

### **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.
- 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.

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

### **Flexton Inc., 2509 1<sup>st</sup> 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 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.
- 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.
- 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.
- Implemented the application CI/CD pipeline Using Jenkins.
- 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.
- 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

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## **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-socailmedia>

**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>

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## **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