

SIBTAIN RAZA

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FULL STACK JAVA DEVELOPER

Proficient Full Stack Java Developer with experience using Agile Methodologies to design and develop Enterprise Applications for eCommerce, social media, and fund management companies.

Motivated developer with experience through all phases of software development life cycle. Skilled in implementing technologies such as Java, J2EE, Hibernate, Spring, React.js, Angular, RESTful, MongoDB, MySQL, JSON, Jenkins, Docker, AWS Cloud.

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), Kotlin (Beginner), SQL (Fluent), Unix Shells Scripts (Beginner)

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

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, H2, MariaDB, 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, JHipster, StarUML

Testing: Junit, Mockito, Postman

Platforms: Windows, Linux, Mac OS X, Android

Professional Summary

- Expertise in designing and developing enterprise level web-based applications using Java technologies and Frameworks like Servlet, JSP, Web Services (RESTful), Multi-threading, Hibernate, Spring (Spring Boot, IOC, MVC, REST, AOP, Security, ORM, Microservice) etc.
 - Strong understanding of Microservice architectures, patterns, related frameworks, and prior hands-on experience in developing and deploying Microservice solutions.
 - Utilized Java 8 features like Lambda expressions and Stream API for Bulk data operations on Collections which would increase the performance of the Application.
 - Experienced in Developing Use Cases Diagrams, Activity Diagrams, Sequence Diagram, & ER diagrams with UML for new product functionality.
 - Experience working in an Agile development environment and DevOps environment, GIT, Maven, Jenkins, Docker Container, & AWS environment.
 - Migrated Web applications into AWS. Maintained and built the AWS environment, including setting up VPC environments and created EC2, RDS, S3 instances.
 - Worked with Relational and no SQL databases like MongoDB, Oracle, PostgreSQL, MySQL. Hands on experience writing SQL Queries.
 - Experience in handling messaging services using Apache Kafka.
 - Experienced in developing Single Page Applications (SPA) using React and Angular.
 - Hands on experience with build and deployment tools including Maven/Gradle, logging and Debugging usingSlf4 and Log4j, unit and integration testing using Junit and Mockito.
 - Used Jenkins for build Process to Generate Continuous Integration with GIT Version Control
 - An enthusiastic and project-oriented team leader/player with solid communication skills. Motivation to take independent responsibility. Excellent analytical and problem-solving skills and can learn new technologies very fast.
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PROFESSIONAL EXPERIENCE

CAREER NOTE: Completed on-campus studies and currently taking distance education courses to complete a **master's degree in Computer Science** (Available for full-time, W-2 employment).

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

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

Research Analyst (Java) • Sep 2018 to Oct 2018 (Equivalent to Java Developer role)

Developed dashboard to retrieve data from Google Analytics, Webmaster, and Facebook pages.

Tasks Performed:

- Interacting with the client and created prototypes as per the business requirement.
- Used Rest Controller in Spring framework to create RESTful Web services and JSON objects for communication.
- Created custom online payment gateway interfaces for e-commerce applications with PayPal using APIs.
- Set up PayPal development environment to get OAuth 2.0 client ID and secret credentials for the sandbox and live environments.
- Integrated PayPal REST API calls with web apps and test with sandbox accounts.
- Used Postman to test the RESTful API for HTTP requests such as GET, POST, and PUT.
- Produced clean, efficient code in Java based technologies on client specifications.
- Implemented the application CI/CD pipeline Using Jenkins.

Achievements:

- Introduced security metrics to mitigate vulnerabilities by analyzing historical threats.
- 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.

Technologies Used: Java/Java EE, Spring (Core, Boot), JPA, Hibernate, REST, HTML, CSS, JavaScript, jQuery, AJAX, JSP, MySQL, IntelliJ, Eclipse, STS, Maven, Git, Jenkins, JUnit, Mockito

Full Stack Developer (Java / Spring Boot / React) • Feb 2017 - Sep 2018

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:

- Used AOP features of Spring framework, and JPA/Hibernate for Object Relational Mapping.
- Worked on different layers of Spring MVC architecture such as Spring - Controller, Service, and Repository classes.
- Wrote HQL queries to handle data from databases using Hibernate APIs such as createQuery.
- Used Junit and Mockito for the unit and integration testing of various modules.
- Designed user-friendly interfaces using HTML5, CSS3, Bootstrap, jQuery, React, Angular JS, AJAX, and JSP.
- Applied REST to send and receive requests between third party APIs and core system.
- Applied Java Collections such as HashMap, Set, List to store data.
- Developed the Sign up and Login flow for e-commerce applications.
- Used Maven for building projects, Jenkins for continuous integration, and Git for version control.
- Secured and authenticated REST APIs using JWT and OAuth 2.0.
- Implemented persistence layer using Custom DAOs to handle CRUD operations.
- Applied Object-Oriented Programming (OOP) principles by using Interface, Abstract, Overriding and Overloading.
- Implemented multi-threading using java.util.concurrent API to improve the data processing.
- Used Maven as a build tool, wrote the dependencies for the jars that needs to be migrated.
- Configured Swagger for auto-generated documentation for all REST API calls.
- Developed Microservices using Spring Boot, Spring Cloud, and Netflix OSS (Zuul, Eureka, Ribbon, Hystrix).
- Containerized Microservices by creating Docker images from Docker file.
- Designing, developing, integrating, testing, troubleshooting, and debugging of the embedded applications.
- Participated in the scrum team using Agile methodology and scrum practices. Facilitated daily scrum, sprint planning, sprint demo and retrospective meetings.

Achievements:

- Implemented multiple strategies which expanded company profit to over 15%.
- 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.

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.

Achievements:

- 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

(In progress via distance education; expected completion April 2022)

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 (2013 - 2017)

NED University of Engineering & Technology – Karachi, Pakistan