

Bansi Saboo

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Software Developer / Test Engineer

Full Stack Development | Database Management | Agile Methodologies

- Recently completed post-graduation and a Software developer with **6+ years** of prior experience in Java development and software engineering.
- Led development and testing of REST API and microservices projects in Agile with proficiency in JIRA and GitHub.
- Expertise includes UI development with JavaScript and Angular, and database management with MySQL and MongoDB.
- Skilled in automation testing using Java and Selenium, and well-versed in agile testing methodologies.

EDUCATION

Conestoga College - Kitchener, ON, CA

Post Graduate Certificate – Reporting Systems & Database Development, **01/2023 - 09/2023**

Gujarat Technological University – Ahmedabad, GUJ, IN

Bachelor of Engineering – Computer Science, **06/2014 - 06/2018**

WORK EXPERIENCE

KellyConnect - ON, CA

01/2023 – Present

Technical Support Specialist

- Providing technical assistance to clients via phone, email, and remote support tools, resolving software and hardware issues promptly to ensure minimal downtime.
- Troubleshooting complex technical problems, utilizing diagnostic tools and methodologies to identify root causes and implement effective solutions.
- Collaborating with cross-functional teams, including developers and engineers, to resolve escalated issues and enhance product performance.

Tata Consultancy Services - Bangalore, IN

03/2021 – 12/2022

Software Developer (Position - Engineer)

British Telecom Project- UK's no. 1 broadband and mobile provider, delivering unrivaled connectivity in and out of the home.

Led REST API and **microservices** development, SQL data management, and Agile team in telecommunication project for data domain – Wholesale Mobile Connect & Harmonized Ethernet.

- Led a team of **9 developers**, successfully delivering a critical BT order processing component, surpassing project milestones by **20%**.
- Developed **RESTful APIs** using Spring Boot, adhering to **REST** principles, achieving a response time reduction of 15% compared to monolithic architecture.
- Implemented **Hibernate validations**, resulting in a 25% decrease in data integrity-related issues.
- Implemented strategic logging, reducing average troubleshooting, and debugging time by 30%.
- Applied **JUnit** and **Mockito** for unit testing at various application layers and mocked dependencies to isolate components during testing which increased test coverage.

- Maintained separate **Spring profiles** for development, testing, and production which reduced deployment errors.
- Leveraged built-in endpoints for metrics, health checks, and application information by integrating Spring Boot **Actuator**.
- Utilized Spring Data JPA for simplified data access using **Java Persistence API (JPA)**, streamlined database interactions, and reduced boilerplate code.
- Implemented paging and sorting functionality for large datasets using **Spring Data JPA**.
- Integrated **OAuth 2.0** for secure authorization and token-based authentication, resulting in a 30% reduction in security-related incidents.
- Successfully integrated the **Twilio API** to enable SMS notifications.
- Successfully deployed a working project model on **AWS Elastic Beanstalk**.
- Maintained version control using **GitHub** and ensured comprehensive documentation.
- Integrated monitoring tools into the **CI/CD** pipeline to track key performance indicators, system metrics, and deployment status.
- Utilized **JIRA** for project management and participated in iteration sprint ceremonies.
- Demonstrated excellent communication and presentation skills when handling client and WAR calls.

Tata Consultancy Services - *Bangalore, IN*

03/2020 - 02/2021

Software Developer (Position – System Engineer)

British Telecom Project– Developing Java web applications, cloud deployment, and database object modeling for data domain Wholesale Mobile Connect products.

- Developed software applications using Java J2EE, and Spring Boot, and adhering to coding standards.
- Implemented real-time data processing capabilities using Spring Boot's support for **WebSockets**, enabling instant updates and notifications in the user interface for live telecommunications data
- Leveraged Amazon Web Services **AWS Lambda** for cloud-based application deployment, optimizing resources and scalability, reducing hosting costs by 30%.
- Utilized responsive and user-friendly frontend interface using **React**, creating a dynamic and intuitive user experience for telecom operators and administrators.
- Implemented database solutions, **MySQL & MongoDB**, for efficient data storage and retrieval.
- Successfully integrated **external APIs**, enhancing the telecommunications platform's functionality by connecting with third-party services and data sources.
- Established a robust **CI pipeline** using industry-standard tools such as **Jenkins**, ensuring that code changes were automatically built, tested, and validated upon every commit to the version control system.

Tata Consultancy Services- *Bangalore, IN*

03/2019 - 02/2020

Software QA Engineer (Position - Associate System Engineer)

British Telecom Project - Designed and executed effective software test strategies for quality assurance.

- Scripted detailed test cases for diverse project domains, and testing code automation using Java and Selenium (**TestNG**), reducing manual testing time significantly by 75%.
- Documented test scenarios for **manual UI testing** and wrote SQL queries for data accuracy.

- Proficiently followed E2E topology diagram, using **Service Virtualization** for network configuration.
- Executed manual and automated API tests using tools like **Postman** and **Cucumber BDD API** to identify defects and performance issues.
- Optimized SQL scripts for data extraction, manipulation, and management for relational and non-relational database systems leading to a 10% improvement in database query performance.
- Worked with stakeholders to define acceptance criteria and conducted **user acceptance testing (UAT)** for client-specific configurations.
- Executed load, stress, and scalability tests using **LoadRunner** and **JMeter**, monitoring system behavior under various load conditions and improving product quality.
- Conducted **daily sanity checks**, maintaining 99.5% system stability, and regression tests.
- Collaborated with **End-to-End designer**, gaining insights into project architectural design.

Webs Optimization Software Solutions- Ahmedabad, IN

01/2017 - 02/2019

Software Developer and Internship

Experience in Object Oriented concepts and improved source code management of existing projects.

- Applied Software Life Cycle principles to perform CRUD operations using Core Java & MySQL
- Collaborated on a buffer-free video portal, utilizing Java, Spring MVC, Servlet, Hibernate, jQuery.
- Enhanced prebuilt applications with new features to meet project requirements in Angular 5.0.
- Introduced a responsive, offline-capable Progressive Web App (PWA) using **Angular 5.0**.
- Acquired technical knowledge in designing CSS-based table-less layouts and **Thymeleaf**.

SKILLS

Technical Skills: Core Java, J2EE, Spring Framework, Spring Boot 3, Spring Security, Spring Data JPA, JDBC, JUnit, Hibernate ORM, Maven, Microservices, Web Services (REST & SOAP), Design patterns (MVVM, MVC, Clean Architecture), JWT, Python Core, Angular 5.0, React.js, Bootstrap, jQuery, JavaScript, HTML, CSS, Typescript, MySQL, PostgreSQL, NoSQL MongoDB, AWS S3, AWS DynamoDB, Continuous integration and deployment (CI/CD), Selenium, Unit testing, Code Versioning Tools, GitLab, Github, MySQL Workbench, Postman, Docker, Oracle 19c, ARD, Jira

Soft Skills: Agile Development Methodologies, Team Management, Communication, User-centered design, Mentoring, Agile Technical Practices, Collaboration, Problem-solving abilities, Prototyping, White-boarding, Flexibility, Leadership, Mentoring, Collaboration, Documentation, Project Planning

CERTIFICATIONS

Java Fundamentals | The Complete App Design Course - UX, UI, and Design Thinking | Spring Boot 3, Spring 6 & Hibernate | Agile Fundamentals: Scrum and Kanban | Selenium WebDriver with Java

AWARDS AND HONORS

Service and Commitment Award 2022 | Special Initiative Award 2022 | Top Performer of the Year 2021 | Team Leader of the Year 2021 | Rookie Award 2020 | On the Spot Awards | Applause Award for Best Presenter