

Shivam Raj Singh

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EDUCATION

Thapar Institute of Engineering & Technology

Bachelor of Engineering(B.E) Computer Engineering | CGPA: **9.17/10**

Patiala, PB

2018-2022

TECHNICAL SKILLS

Languages & Frameworks: JAVA, Java Collections, Spring MVC, Springboot, Struts, SOAP, REST API, Microservices, JUnit, Mockito, JSON, XML, XSD, JDBC, C++, SQL.

IT constructs: Data Structures and Algorithms(DSA), Object Oriented Programming(OOP), Design Patterns, Multithreading, Exception Handling, Computer Science Fundamentals.

Developer Tools: Git, Maven, Jenkins, IntelliJ, Agile, Rally, JIRA, Docker, Kubernetes.

Soft Skills: Teamwork, Communication, Problem Solving, Accountability.

EXPERIENCE

Software Engineer II

Jul 2023 - Dec 2023

Sabre India - GetThere (Corporate Travel Booking Tool)

Bengaluru, KA

- **Migrated** the data source from Global Distribution Service(GDS) to **Google Data Source API**.
- Developed the **Microservice** to seamlessly **integrate the new data**.
- **Collaborated closely with the product team** to conceptualize and implement intricate logic for calculating precise CO2 emissions data, specifically customized for diverse cabin classes.
- Developed and integrated a feature displaying CO2 emissions for flights on the **User-Interface (UI)**.
- Created the dynamic **popover modal** utilizing **Bootstrap and CSS** presenting data seamlessly from the new data source.
- Implemented interactive **functionality such as clicks, hover effects and fades** using **JavaScript event listeners**, enhancing user engagement and experience.

Software Engineer I

Jul 2022 - Jul 2023

Sabre India - GetThere (Corporate Travel Booking Tool)

Bengaluru, KA

- Introduced functionality to display refundable and changeable flights on the User-Interface (UI), contributing to a more transparent booking process.
- Contributed to the development of a **Microservice** translating **JSON API response** into **JAVA objects**., facilitating seamless communication between different components.
- Utilized **Velocity templates(VM)** to present information, ensuring a consistent and appealing user interface.
- Gained hands-on experience in **Agile software development** and collaborated effectively within cross-functional teams to design, develop, and test software solutions.
- Demonstrated strong **debugging, developing, and problem-solving skills**.

Associate Intern

Jan 2022 - Jul 2022

Sabre India - Lodging, Ground and Sea Dept

Bengaluru, KA

- Supported senior engineers in developing an API that efficiently obtained discounted prices based on **unique ID(s)** provided by **clients to suppliers**.
- Designed and implemented logic to **filter** negotiated properties in the **API response** based on the **client IDs** passed in the **request**.

PROJECTS

Cabin Based Display (CBD) | Core Java, J2EE, Spring, Struts, JUnit, Maven, CSS, Bootstrap, jQuery, VTL(Velocity)

- Created a feature to **record all the clicks, hovers etc.** on the webpage to process it for the **third-party Amplitude Analytics tool**.
- Retrieved data by attaching JavaScript event listeners to send it to the Amplitude Analytics tool.
- Utilized it to **showcase the most used features** on the page such as filters, sort, flights chosen etc. to **analyse the bookings %**.

Content Services for Lodging (CSL) | Core Java, Spring, JUnit, Maven

- Created a feature to accomplish the functionality of getting **negotiated properties** based on the client IDs.
- **Retrieved** data from Hotel Suppliers **through GDS** and filtered out the negotiated properties to send **in the API response** based on the **client ID in the request**.