

Swapnil Agrawal

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EDUCATION

Bachelor of Technology in Computer Science

SWAMI KESHVANAND INSTITUTE OF TECHNOLOGY (9.50 CGPA)

Jaipur | August 2018 - June 2022

WORK EXPERIENCE

LOCUS.SH | SOFTWARE ENGINEER

Bangalore | January 2024 – Present

- Contributed to **design** and wrote back-end logic of **Bar-code scan module** to **reduce manual typing of entity id**.
- Implementation of **Shipment Journey feature**, **reducing user effort by 100%** to find journey on dashboard.
- Integrated **Parameterization feature** for application, **enabling 100%** of error messages to be client configured.
- Development of **REST API** to facilitate **bulk data discard functionality**, and **export process**.
- Built a **robust feature** that **calculates distances** between co-ordinates, **enabling efficient decision-making** for **order deliveries and potential integration's**.
- Development of **REST API** to built First-Last mile logistic and shipment solution for **UPS (United State Parcel)**.
- **Enhancement** the reliability of existing processes by **refining logical operations** within critical workflows.
- **Asynchronous** handling of the **side effects** occurred during API operations to **reduce user response time**.
- **Tech-Stack:** Spring, Spring Boot, Java8, MySQL, AWS, Elastic Beanstalk etc.

AURIGA IT CONSULTING PVT. LTD. | ASSOCIATE SOFTWARE ENGINEER

Jaipur | October 2021 – January 2024

- Working with Pine Labs Pvt Ltd (Contract with AurigaIT) in an **Agile Environment** to complete **SDLC phases**.
- **Integration** of existing **Redis cache** package before the DB layer in services to **reduce the DB read operations**.
- **Analyzed and Optimized** maven dependency and properties file to **reduce the build time** of core payment services.
- Implemented a **SaaS Service**, enabling more than **100K users** to **redeem credit/debit card reward points**.
- Developed **REST APIs** in **Reactive Programming** for utilizing **asynchronous and functional programming behavior**.
- Leveraged **Design Patterns** usage for **reusable and extendable code**, leads to an **improvement** in the code quality.
- **Debug and Tested Product API** by applying **multiple validations and test scenarios** to deliver a **bug-free product**.
- Performed **Unit testing and functional testing** of services to **reduce bugs from 30% to 10%** of the application.
- Executed **SQL Queries** in **Spring Hibernate Repository** to fetch DB records, and **reduce operation in the Service**.
- **Tech-Stack:** Spring Boot, Java, MySQL, Reactive Programming, Grafana, Maven, Junit5, Mockito etc.

DARWIN DIGITECH PVT. LTD. | FRONT END DEVELOPER INTERN

Remote | May 2021 - July 2021

- Created more than **20+ reusable components** in **React**, ensuring **unit testing with 100% code coverage**.
- **Impact:** The app loads more rapidly, in about **0.5 seconds**, even after loading an AI model.
- **Tech-Stack:** React.js, Redux, Unit Testing, etc.

PROJECTS

MACHAXI

- Development of **REST APIs** for the **subscription module** of the Machaxi project, catering to **over 1000 individuals**.
- Implemented **user interface** for over **50+ registered academies** on the Academy Dashboard using **Thymleaf**.
- **Migration** of the [Clear360](#) **REST API** to a **GraphQL API**, resulting in a **20% improvement** in API throughput.
- **Tech-Stack:** Spring Boot, Java, Junit5, Mockito, JavaScript, MySQL, GraphQL, etc.

SKILLS

Languages & Frameworks: Java, JavaScript, Spring, Spring-Boot, React.js, Python.

Database & Tools: MySQL, PostgreSQL, Visual Studio Code, IntelliJ, GitHub, Maven, AWS, Redis.

Courses: Object Oriented Programming, Operating System, Database Management System, [Data Structure And Algorithms \(GFG\)](#)

ACHIEVEMENTS

- Received more than **2.1k Views** on one of the **Medium** [technical articles](#).
- **Hackathon Runnerup:** In the **hackathon organized by AurigaIT**, the team secured **third place**.