

# Aditya Shekhawat

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## Technical Skills

**Languages:** Java, JavaScript, Python, SQL

**Backend:** Java (Spring Boot), Node.js

**Frontend:** React.js, AngularJS

**Databases:** MySQL, PostgreSQL

**DevOps & Tools:** Docker, Kubernetes, Bash, CI/CD (Jenkins, GitHub Actions)

**AI & LLM Integrations:** Experience with LLMs and AI-backend integration, using APIs from OpenAI, Anthropic, etc.

## Experience

### BrowserStack

Dec 2024 – Present [7 months]

*SDE-I Backend*

*Remote, India*

- Developed AI-driven test case generation for BrowserStack's test management product, enabling users to create, manage, and track test cases and test runs efficiently.
- Extracted features from PRDs using **LLMs**, identified relevant scenarios, and generated functional and non-functional test cases for automated inclusion in the TCM system.
- Implemented asynchronous processing with **BullMQ** for scalable test case generation and utilized **Webhook URLs** to forward responses in real time.
- Worked on a Node.js backend, integrating AI models for intelligent scenario extraction and test case generation.
- Utilized **Docker** for containerization to ensure consistent deployment and scalability of the AI-driven test generation pipeline.
- Technologies:** Node.js, BullMQ, Webhook URLs, Docker, AI Integrations (LLMs), Test Case Management (TCM).

### Kanerika Software Pvt Ltd

June 2023 – Dec 2024 [1.5 yrs]

*Associate Software Engineer*

*Hyderabad, India*

- Engineered a data visualization product named **Phi**, enabling dynamic data presentation through visuals like charts and measures. Implemented real-time data connections to enhance user insights.
- Designed an architecture based on atomic design principles, promoting modular, reusable components and reducing code redundancy.
- Developed and optimized REST APIs using **Java Spring Boot**, ensuring seamless integration with a PostgreSQL database for efficient data management.
- Technologies:** Java, Spring Boot, REST APIs, React.js, Redux, PrimeReact, PostgreSQL, Design Principles.

## Projects

### HostelEase - Hostel Management System | *React.js, Java, Spring Boot, Spring MVC, JPA, Hibernate, REST APIs, PostgreSQL*

- Developed a full-stack hostel management application for college administration, providing separate user interfaces for **Admin** and **Students** with distinct privileges.
- Implemented features for publishing **latest notices and updates**, along with an interactive campus **map** and **enrollment process** to streamline hostel onboarding.
- Onboarded **mess vendors** with menu management, enabling students to enroll in meal plans and view dining schedules.
- Designed and integrated a **student room allotment** system, ensuring efficient room assignments and real-time vacancy tracking.
- Built a **direct issue reporting system** for students to report ragging or other concerns to admins, enabling prompt action tracking and resolution.
- Developed a robust backend using **Spring Boot**, with **PostgreSQL** for efficient data management and **Github** for repository deployment.

## Education

### MBM University

2019 - 2023

*Bachelor of Technology in Computer Science (CGPA: 8.5 / 10)*

*Jodhpur, Rajasthan*