Aditya Shekhawat

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Technical Skills

Languages: Java, JavaScript, Python, SQL
Backend: Spring Boot (Security, WebFlux), Node.js (Express/NestJS)
Databases: MySQL, PostgreSQL, MongoDB, Redis (caching), DynamoDB
DevOps & Cloud: AWS (S3, SQS, Lambda, IAM), Docker, Kubernetes (Helm, k9s), CI/CD (Jenkins, GitHub Actions)
Messaging & Streaming: Kafka, RabbitMQ
Testing: JUnit, Mockito, Integration Tests, Pact, JMeter/k6
Monitoring: Prometheus, Grafana, CloudWatch, OpenTelemetry
AI & LLM Integrations: OpenAI/Anthropic APIs, LangChain, embeddings, vector search, agentic workflows
Tools: Git, Bash, Postman, Gradle/Maven

Experience - 2.5 yrs

BrowserStack   Dec 2024 – Present [1 yr]
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.
- Implemented **agentic orchestration** across the entire test case generation and deduplication workflow—designing multi-agent pipelines where planning, feature extraction, scenario generation, and deduplication agents coordinate autonomously to improve accuracy, speed, and reliability.
- Utilized **Docker** for containerization to ensure consistent deployment and scalability of the AI-driven test generation pipeline.
- **Technologies**: Node.js, BullMQ, Websockets, 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*