Shubham Gupta

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github.com/shubhamgupta786

Skills

Languages: Java 8+, TypeScript, SQL
Frontend: Angular, NgRx, RxJS, D3.js, HTML5, CSS3, i18n
Backend & Frameworks: Spring Boot, RestTemplate, Kafka
Cloud & DevOps: AWS (EC2, S3, Lambda, API Gateway, CloudWatch)
Testing: JUnit, Jest

Work Experience

Infosys, Bangalore **Dec 2021 - Jan 2025**

Digital Specialist Engineer – Full Stack **Jan 2024 - Jan 2025**

- **Liberty Mutual Insurance** — Developed and maintained a centralized state management solution to reduce redundant API calls and maximize component reusability by utilizing NgRx Store (selectors/effects) resulting in a 10% boost in reusability and significantly reduced data fetching operations.
- Established a comprehensive testing strategy to minimize production defects and improve code reliability using Jest (frontend) with mock services and fixtures, which drove team code coverage above 80%.
- **Medtronic (Healthcare Dashboard)** — Developed a patient dashboard to enhance patient care quality by integrating D3.js visualization with Angular and Spring Boot REST APIs , which drove a 5% improvement in data interpretation efficiency.
- Implemented internationalization system supporting multiple languages for global healthcare users. using Angular's i18n framework and lazy-loaded cultural adaptations, achieving a fully translation update time.
- Optimized complex patient data comparison features using RxJS observables and change detection strategies, enhancing diagnostic efficiency and multi-parameter analysis capabilities.

Digital Specialist Engineer – Backend **Dec 2021 - Apr 2024**

- **Medtronic (Glucose Risk Prediction API)** — Developed and maintained Spring Boot REST APIs to process patient glucose risk prediction data and Integrated backend services with Python-based ML models to retrieve prediction results for healthcare dashboards.
- Implemented Kafka-based messaging to publish glucose risk alerts between microservices for asynchronous communication, improving system scalability and real-time event processing.
- Used mySQL for storing patient prediction data and ensuring efficient retrieval through optimized queries.

Education

Swami Keshvanand Institute of Technology Management and Gramothan **Aug 2017 - Jun 2021**
B.Tech, Computer Science Engineering ***75.5% (First Class)***

Project Work

- **Grab Hackathon Finale Project – AI-Powered Financial Assistant:** Developed an AI-powered financial assistant using **Spring Boot, Angular, and LLM-based agents** to provide personalized spending insights, budget recommendations, and savings forecasts.
- Designed a multi-agent architecture for expense analysis, income optimization, and risk prediction, enabling real-time financial recommendations and decision support.
- **My-Outlook:** Developed a modern, responsive email application using **Angular** with dynamic navigation, JWT-based simulated authentication, and robust form validation; deployed on Vercel ensuring seamless CI/CD 🔗.

Awards and Certificates

- Selected to "Ace Star Program" for **Top Performance in Foundation Program in Infosys**.
- CODE JAM(2020) Qualify Qualifier round and promoted to round 1A.🔗.
- LeetCode 100 days badge 🔗.
- CodeChef Highest rating- 1536 🔗.