Ashmit Garg Java, Spring Boot, Microservices | Fintech & Scalable Systems

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Professional Experience

Software Engineer, *TransactBox*   07/2024 – present
                                                                                      Remote
- **Designed and implemented an in-app chat system** leveraging **Firebase Realtime Database,** handling **10K+ concurrent users**, improving user engagement by **30%**, and enabling real-time reactions, replies, and group messaging.
- Engineered **RESTful** microservices with Java and Spring Boot to power an internal **Admin Portal**, reducing **support resolution time by 40%** and eliminating the need for manual database queries.
- Led end-to-end implementation of **multi-currency support,** integrating **5 new currencies** into **Stripe and GoCardless** payment flows. Additionally, onboarded **Cashfree** as a new payment provider to enable **INR transactions**, enabling market entry into India and **supporting localized payments**.
- **Upgraded** and **refactored multiple deprecated dependencies**, resolving complex compatibility issues to **improve development workflow**, enhance maintainability, and ensure **long-term codebase stability**.
- Led **CI/CD** pipeline automation and **production monitoring** for microservices, improving **system uptime and performance**.

Software Development Intern, *IDeaS Revenue Solutions*   07/2023 – 06/2024
                                                                                  Pune, India
- Built a **high-throughput** data ingestion pipeline with **Spring Batch** and **MongoDB**, decreasing data retrieval latency by **38%** in a distributed analytics platform.
- **Designed an interactive UI** for the **APP Support Monitoring system**, enabling streamlined management of processing operations. Added a **'Pause/Resume'** feature for bulk control of job processing, reducing manual API calls by over **90%**.
- Automated **1500+** test cases per sprint using **JUnit** and **Selenium**, reducing regression time by **90%** and accelerating **Agile** deployments.

Education

B.Tech in Electronics and Communication Engineering, *MIT World Peace University*   2020 – 2024
CGPA - 8.99/10   Pune, India

Projects

ClipIt - YouTube Video Processing Platform, *Java, Spring Boot, yt-dlp, FFmpeg, MySQL* ↗   02/2025 – 04/2025
- Designed and implemented a **Spring Boot** backend service that integrates **yt-dlp** and **FFmpeg** for automated **YouTube video/audio download, processing, and transcoding** workflows.
- Built an asynchronous job execution pipeline with **status tracking, error handling, and dynamic file management**, ensuring reliable long-running task execution.
- Developed a metadata extraction and format discovery API by parsing **yt-dlp's JSON output**, enabling clients to query available video/audio formats and request downloads at specific resolutions and bitrates.

Your Portfolio v/s NIFTY, *JAVA, Spring Boot, Gson, React.js, Apache POI* ↗   12/2024 – 01/2025
- **Developed** a full-stack financial analytics tool comparing **portfolio returns vs NIFTY ETF** using live stock data, serving real-time visualizations for **10,000+ trade** entries.
- **Processed 10000+ trade records** from Excel with **Apache POI**, enabling **real-time portfolio simulations and data visualization**.
- **Integrated Alpha Vantage API for stock price retrieval**, optimizing requests with **OkHttpClient**, reducing API call latency by **~40%**, and ensuring accurate market data.
- **Built an interactive React.js dashboard** with **charts & data tables**, allowing users to **visualize portfolio returns and benchmark against NIFTYBEES**.

Skills

Java | SpringBoot | REST | MySQL | Docker | Kubernetes | GENAI | Data Structures | Algorithms |
Distributed Systems | MongoDB | Kafka | Agile | Shell Scripting | JUnit | AWS | CI/CD | Version Control(Git)

Extra Curricular Activities

Organiser, Summit, *National Level Sports Meet, MIT-WPU*   2023
Arranged and handled travel and accommodation for players coming all across from India.   Pune, India