

# SWARAJ GUPTA

## Senior Java Developer

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## SUMMARY

Dedicated Software Engineer with 2+ years of experience in developing web applications and backend systems. Skilled at writing clear, concise code that is easy to maintain and troubleshoot. Experienced in working with both small and large teams across multiple projects and companies. Able to work independently of remote locations or in office environments as needed by the company.

## PROFESSIONAL EXPERIENCE

### Senior Analyst

#### Capgemini

10/2023 - Present

Bengaluru,India

- Successfully migrated **spring boot microservices** from version **2.3.3 to 2.7.18**
- Employed **JUnit** and **Mockito** to design and implement comprehensive test cases, achieving an impressive **95%** code coverage, demonstrating strong proficiency in software testing and quality assurance.
- **Cache System Implementation:**Successfully designed and implemented a robust cache system, reducing API response time by an impressive **90%**.
- Build **cache eviction** policies to ensure data freshness and maintain system integrity.Conducted thorough performance testing, validating the cache system's efficiency in real-world scenarios.
- Leveraged **JMS (Java Message Service)** for event-driven processes, effectively reducing workload and enhancing system efficiency by **40%**.
- **Spring Retry Mechanism Implementation:**Developed and integrated a robust Spring Retry mechanism, enhancing system resilience by **25%** automating API call retries in the event of data issues on the external API side.
- **Redis Cache Implementation for Resiliency:**Orchestrated the development and deployment of a strategic Redis cache system to bolster system resiliency during API downtimes, safeguarding seamless customer experiences.Used Redis as an in-memory data store, shielding critical data from disruptions when external APIs encountered downtime scenarios for up to **2** days.
- **Engineered and automated a scheduler mechanism** for every 3 hours to synchronize data between Redis cache and external APIs in real-time, ensuring consistent and up-to-date information.Conducted rigorous testing protocols to validate the efficacy of the Redis cache solution, affirming its role in maintaining optimal system performance and data integrity.
- **Significantly elevated revenue by 20%**, attributable to the eradication of customer order delays during API downtimes, underscoring the tangible impact of the Redis cache solution on both technical resilience and financial outcomes.

### Analyst

01/2022 - 10/2023

#### Capgemini

Bengaluru,India

- **Utilized Spring Batch for Automated Insurance Processing:**Engineered a robust Spring Batch process to automate daily file processing for insurance operations.
- **Optimized MySQL Integration with JDBC:**Integrated JDBC (Java Database Connectivity) for precise and efficient database connections, facilitating seamless integration of scripts for more than 10 microservices.
- **Automated Trade-in Service Implementation:**Architected and developed an end-to-end trading service enabling customers to seamlessly exchange their old phones for new ones, combining both in-store and online accessibility.
- **Boosted revenue by 15%** by strategically integrating promotional coupon features, such as during Black Friday events, optimizing trade-in transactions and enhancing customer satisfaction.
- **Async Process Implementation** for Enhanced Backend Efficiency:Pioneered the creation of an asynchronous process, significantly enhancing backend efficiency by **50%** allowing parallel continuation of tasks.
- **Optimizing Database Updates with Thread Sleep:**Strategically incorporated use of thread sleep for 20 seconds within processes to introduce controlled pauses, ensuring synchronized data updates in the database before proceeding.Utilized thread sleep intervals judiciously to allow for seamless coordination between ongoing operations and database modifications, preventing data inconsistencies.
- **Microservices Architect in Insurance, Inventory, and Finance:**Orchestrated seamless, scalable microservices solutions at the intersection of insurance, inventory, and finance, optimizing critical business operations.
- Ensured seamless integration, scalability, and resilience by employing **Jenkins** for microservices deployment pipelines and optimizing pod management with **Rancher** in a Kubernetes environment.
- **Rated with the best annual performance rating for all the years during my stint; given to top ~5% employees**

## EDUCATION

Bachelor of Technology, Computer Science

2017 - 2021

Shri Vaishnav Vidyapeeth Vishwavidyalaya

Indore,Madhya Pradesh

## SKILLS

### Tools

Java • Spring Boot • MySQL • Redis • AWS •

Spring Cache • Spring Batch • JMS •

Data Structure and Algorithms • Swagger • Github

## CERTIFICATION

### AWS-CLOUD PRACTITIONER

Amazon

[https://www.credly.com/badges/6b690a33-2733-49b9-9c3a-1a5a9bd43fbd/public\\_url](https://www.credly.com/badges/6b690a33-2733-49b9-9c3a-1a5a9bd43fbd/public_url)

### AGILE CERTIFICATION

University of Minnesota (Coursera)

<https://www.coursera.org/account/accomplishments/certificate/TR46P5XCLUF5University>

## DSA

### LeetCode

Solved 250+ Questions

<https://leetcode.com/swaraj14041/>

### GeeksForGeeks

Solved 150+ Questions.Overall 350 coding score

<https://auth.geeksforgeeks.org/user/swarajuddi>

## COURSES/TRAINING

### OpenAPI: Beginner to Guru

Udemy

### Introduction to Collections, Generics & Reflection in Java

Udemy

## AWARDS

🏆 Xtra Mile - 2023