Priya Aryav

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Summary

- Software Engineer with **5.2+ years** of experience designing, developing, and deploying **50+** Microservices, Web applications, APIs and Features from scratch.

Work Experience

Lowe's - Software Engineer   Bengaluru, India
DIP Applications: Dec 2025 - Present

- Designed and implemented a Java/Python-based replacement for Informatica, reducing dependency on proprietary tools and saving **$4M** in license fees.

IBM - Software Engineer   June 2024 - Dec 2025
Lowe's DIP Applications:

- Built real-time data pipelines from scratch using Java, Kafka, and databases, processing **1B+** records while reducing latency by **90%** with scalable architecture.
- Led Spock & Groovy testing framework adoption for microservices, improving code quality by **30%**, cutting bugs by **25%**, and guiding team rollout.

TCS - Software Engineer   Oct 2020 - June 2024
Digital Services Applications:

- Implemented autocomplete search on UNFI website, increasing search-to-sale conversion by **14%**.
- Optimized Elastic Search with refined queries, cutting response time by **50%** and boosting sales **12%**.
- Developed and scaled 12 core REST API operations for Store and Product data management, reliably handling over **10K** daily calls.
- Designed price calculation feature, enabling updates for stores, with **50%** store subscription rate.
- Architected database for DSD and catalog service for store and product flow that reduced DB read and write operations time by **60%**.

Tibco Applications to Java Migration:

- Increased the overall efficiency of **six** applications by **4x times** by **rewriting** the old Tibco services in Java and Spring Boot microservices, leveraging Spring Batch and Integration.
- Created a reusable Bulk API V2 client component for Salesforce data/file transfer, achieving a **50%** increase in throughput and a **3x** efficiency gain.
- Improved the response time by **30%** by adding caching and restructuring the API and query.
- Implemented real-time application monitoring, metrics, and alerting using Grafana, decreasing application downtime by **80%**.

Supply Chain Application:

- Designed and implemented a new Edeals feature using Excel uploads, streamlining the process and increasing daily deal creation by **20%**.
- Created a React UI for deal uploads via Excel, leading to adoption by **1000** users weekly and a **60%** increase in uploads.

Written **unit and integration test** cases for all the above applications in Spock & Groovy, Cucumber framework with 80% code coverage.

Skills

Languages:	**Java, Python, JavaScript, C++**
Frameworks:	**Spring Boot, PySpark, React, HTML, CSS**
Technologies:	**MySQL, Redis, MongoDB, Elastic Search, Kafka, AWS, CI-CD**
Tools:	**GitHub, Linux, Docker, Kubernetes, Grafana, JMeter**
Concepts:	**DSA, AI, OS, DBMS, OOPs**

Education

Bengal College of Engineering and Technology, Durgapur   Aug 2016 - July 2020
B.Tech in Computer Science and Engineering [CGPA - 8.93]