Milap Radia

Java Backend Developer | Masters in CS from IIT Kharagpur | Toronto, Canada

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About me

Dynamic and results-driven Software Engineer with over 5 years of hands-on experience in designing and implementing robust, scalable backend systems. Recognized for my ability to craft innovative event-driven architectures using cutting-edge technologies, I excel in driving seamless coordination between microservices.

Currently, as a SWE 2 at Fabric Inc, a unicorn valued at 1.5B USD, I lead initiatives in building an API-first cloud-native eCommerce Software as a Service platform. Leveraging expertise in Java, Spring Boot, NoSQL, and AWS, I have consistently delivered high-impact solutions that optimize performance, enhance scalability, and drive significant cost savings. Passionate about pushing the boundaries of technology, I thrive in dynamic environments where I can make meaningful contributions to transformative projects.

PROFESSIONAL EXPERIENCE

Fabric Inc

Software Development Engineer 2   Jan 2022 – Present

Fabric Inc, a unicorn with a valuation of 1.5 billion USD, is a leader in Headless Commerce as a Service, backed by notable investors such as SoftBank, and Stripes. Promoted to SDE 2 on July '23.

- Designed and implemented an Inventory Management System, achieving high consistency and availability. Successfully **scaled APIs to handle 10 million requests per day**, with a **peak load of 100 requests per second, maintaining p95 latency under 50 milliseconds.**
- Implemented **geographic proximity-based inventory search** functionality and devised a **fail-safe import mechanism** to handle nightly overlay feed **scaling to 5 million records.**
- Leveraged **Apache Spark** to streamline data pipeline write operations, significantly **reducing redundant writes to MongoDB** and improving overall MongoDB processing efficiency. Achieved an **80% reduction in data pipeline execution time** and **saved 17k $ per year** on Mongo cost.
- **Automated database index creation** using **Liquibase, reducing tenant onboarding time by 8 hours** this will improve time to market for any new customer.
- Implemented **business operational alerts** using AWS Scheduler to monitor critical metrics and enabled scheduled store closures using **AWS EventBridge Scheduler** to ensure uninterrupted service for customers.
- Created a **stream processing infrastructure** facilitating instantaneous inventory updates across the network. Established a framework where inventory modifications are streamed through SNS to SQS and subsequently handled by ECS containers executing Java applications. These applications then disseminate the updates to network-wide inventory, ensuring **real-time availability** for storefronts.
- Led initiative to optimize **inventory availability computation**, pushing computation from **reads** to **writes**, resulting in **30%** reduction in **read latency** while also enabling additional functionality for **filtering and sorting** based on availability and status.

SAP Labs   Pune, India
Developer Associate   Jul 2021 – Dec 2021

Fastest growing subsidiary of SAP, a multinational company that provides customers with world-class business solutions.

- Contributed to the development of the Agriculture Contract Management System as part of a dedicated team.
- Acquired hands-on experience in JAVA, Spring, Database Design, Microservices, and SQL, through training programs tailored to enhance technical proficiency.

Infosys Limited   Pune, India
Senior Systems Engineer   Aug 2016 – Jun 2019

A Top 3 IT services brand globally. Company is spread across 247 locations in more than 54 countries. During my tenure at Infosys, I progressed from Systems Engineer to Senior Systems Engineer, a testament to my dedication and contributions to the organization. Some key highlights of my role include:

- Automating infrastructure support activities such as monitoring disk space and data purging using Python and shell scripts, resulting in a 40% reduction in time spent on manual tasks.
- Developed a Python script to efficiently migrate data from Teamforge to Rally, streamlining the data migration process and enhancing operational efficiency.

EDUCATION
Indian Institute Of Technology   **Kharagpur, India**
Masters of Technology - Computer Science   **2019 – 2021**

G H Patel College of Engineering and Technology   **Anand, India**
Bachelors of Engineering - Computer Science   **2012 – 2016**

Technical Skills
Languages: Java, C++, Python, SQL, MongoDB Query
Frameworks: Spring Boot, Spring Batch, Apache Spark, Mongo Aggregation, Event Driven Architecture.
Developer Tools: Git, Maven, Docker, GitLab CI, AWS, IntelliJ, JIRA, Confluence, Terraform
Services: Messaging Queue, Distributed Cache, Micrometer, DataDog, API Gateway, Spring Cloud

AWARDS
2019	National rank 330 / 99932	Graduate Aptitude Test in Engineering (GATE) - Computer Science
2015	Global rank 552	Google KickStart Round E
2020	Silver Medal	HackerRank HackFest
2021	Top coder	Crack the Code with DP World

CERTIFICATIONS
Deep Learning   Sep 2020
DeepLearning.AI   Coursera
Courses: Neural Networks, Hyperparameter Tuning, Convolutional Neural Networks, Sequence Models
Credential ID: LER36MEYB6ZB