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Ojasva Srivastava

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Education

New York University - Tandon School of Engineering
MS in Computer Science , Fall ' 24

Brooklyn, New York

VIT University
B Tech in Computer Science

Vellore, Tamil Nadu
May 2020

Skills and Technologies

Java, Python, SQL, Spring Boot, Postgres, MongoDB, Postman, Selenium, AWS EC2, AWS S3, Azure Blob, Shell Scripting, Web Scraping, OpenCV, Kafka, Splunk, Grafana, Prometheus, Kubernetes, Docker, ELK stack, Looper.

Work Experience

Walmart Global Tech

Bangalore, India

Software Engineer III

August 2022 – Present

- Engineered a **microservice** to assess item transactability on Walmart Canada's search page, successfully implementing speed filters that significantly enhanced user experience and search efficiency, driving a 20% increase in conversion rates.
- Adopted a **canary** deployment strategy with **Kubernetes** and **Istio**, ensuring error-free rollouts by using canary pods to detect anomalies and errors in new service versions, thereby reducing production incidents related to deployments by 80%.
- Devised a robust infrastructure by deploying a **service registry**, **rate limiting**, and **auto-scaling** mechanisms to enhance resilience against traffic spikes, strengthen security measures, and prevent service downtime from excessive loads.
- Embedded **Dockerized** in-memory tests into the deployment pipeline in the **Kitt** configuration file, resulting in more than 80% reduction in deployment errors and improvement in deployment validation efficiency.
- Integrated a new regression testing service into the **Looper** steps, ensuring regression tests run with every deployment, enhancing the reliability and stability of the application and reducing post-deployment issues by more than 90%.
- Implemented a **priority ranking routing** strategy for a service utilizing **Azure SQL** to address slow response times caused by cross-data center connections, significantly improving overall service performance and resulting in zero timeouts of the API.

Piramal Finance

Bangalore, India

Software Engineer

September 2021 – August 2022

- Engineered efficient **APIs** for external partners, streamlining lead onboarding and loan creation processes.
- Set up **Splunk** and **Grafana** dashboards and **alerts** for service monitoring, enabling swift anomaly detection, ensuring robustness during peak loads, and facilitating continuous improvement through trend analysis, thereby enhancing incident response efficiency by 30%.
- Built a File-Parsing microservice with an API for partners, using **Kafka** for asynchronous uploads and **MongoDB** for data storage, increasing processing speed by 40% and auditing capabilities by 50%.
- Devised loan policies and risk assessment criteria for partners, implemented automated daily reporting using a **MongoDB cron job** to prepare and email Excel reports, eliminating 100% of manual effort.

Baker Hughes

Mumbai, India

Enterprise Application Engineer Specialist

May 2020 – September 2021

- Designed a modular **REST** application, the Test Data Generator, which significantly reduced tester data retrieval time from the database. Seamlessly integrated with Postman for efficient test collection execution.
- Seamlessly upgraded **microservices** with over 10,000 lines of code from **Java 8** to Java 11, ensuring a smooth transition with zero regressions, and tested the APIs for runtime exceptions.
- Created **shell scripts** for automated email alerts, reducing incident response times by 50% and enhancing operational efficiency during service or database failures.
- Remediated **OSS Scan** and **SAST** vulnerabilities, ensuring compliance with open-source licenses, thereby reducing potential security risks by 80% and enhancing the reliability of the application.