

ISHIKA AGARWAL

SOFTWARE ENGINEER

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SUMMARY

Experienced software professional with expertise in the design and development of enterprise applications. Skilled in diverse tech stack including Java, Node.js, Spring Boot, React, and, Angular. Proficient in leveraging cloud technologies (AWS/GCP) to deploy high-availability solutions.

SKILLS

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|-----------------|----------------------------------|-------------------------------|
| Java | Microservice Architecture | Docker |
| Node.js | Spring Boot | Kubernetes |
| React | Unit Testing and TDD | Jenkins |
| HTML/CSS | AWS/GCP | CircleCI |
| Hibernate | PostgreSQL, MySQL, NoSQL | Agile Development |
| Team Leadership | Strategic Planning and Execution | Problem Solving and Debugging |

PROFESSIONAL EXPERIENCE

Senior Software Engineer, CVS Health

Nov 2021 - Present

- Architected enterprise-level micro-services application for Specialty pharmacy which optimizes prescription tracking with Java EE, JavaScript, Spring MVC, Kubernetes, and Docker.
- Innovated the Specialty Care Plan feature, that reduces PCR call volumes and operational costs by up to \$100 million through automation of frequent tasks.
- Streamlined UI development by 35% with React and Redux using a component-based architecture and leveraged React Hooks to simplify stateful logic in components, enhancing code readability and reducing re-renders by 30%.
- Deployed Grafana and Prometheus for real-time monitoring, creating dashboards to track key microservice metrics like CPU and memory usage, improving performance visibility, and reducing troubleshooting time.
- Executed comprehensive unit testing with JUnit and Mockito, ensuring robust business logic and reducing defects by 95%.
- Monitored system health and incident response using Splunk, improving service reliability by 25% and reducing on-call response times with proactive alerting and automated log analysis.
- Redesigned the database schema using PostgreSQL and Flyway migrations to enhance data integrity and support features like improved user analytics and customizable reporting, receiving positive stakeholder feedback

Full Stack Developer, Strategic Resources International

Sept 2020 - Oct 2021

- Engineered an e-commerce platform for home services utilizing Java, Spring MVC, React, and AWS Services, enhancing load times and scalability.
- Architected RESTful APIs for backend functionalities, optimizing user registration and checkout processes, leading to a 60% increase in user retention and a more seamless experience.
- Modeled MySQL database structures with Hibernate ORM, utilizing reader and writer nodes to reduce retrieval time by 90% and balance database load.
- Orchestrated deployment on AWS (EC2, S3, RDS) using Ansible for configuration management and automation, ensuring high availability and robustness.

EDUCATION

Bachelor of Science in Computer Science
State University of New York at Buffalo

Aug 2016 - Jun 2020

CERTIFICATIONS

- **AWS Cloud Practitioner** (Amazon Web Services, 2021)
- **Certified SAFe® 5 Practitioner** (Scaled Agile, Inc, 2022)