Dipesh Parwani

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EDUCATION

New York University, Brooklyn, NY   Dec 2024 (expected)
Master's in Computer Science
Lakshmi Narain College of Technology, India   May 2019
Bachelor's in Computer Science

SKILLS

Programming Languages: Java, Python, JavaScript, SQL
Frameworks & Tools: Spring Boot, Spring Cloud, Node.js, Django, Hibernate, Neo4j, DynamoDB, Cassandra, Redis, Kafka, ElasticSearch, Spark, Docker, Kubernetes, Helm, GitLab CI/CD, Travis, FluentD, ELK Stack, Grafana, JUnit, Mockito, Keycloak
Technologies: RESTful Web Services, OAuth2, TDD, Microservices, Object-Oriented Design, Infrastructure as Code, Distributed Systems, JWT, WebSocket, gRPC

WORK EXPERIENCE

Software Engineer: Siemens Technology & Services, Bangalore, KA   Mar 2022 - July 2023
- Designed and implemented several microservices for the Asset Management Suite web app, utilizing Java & Spring to create a scalable solution resulting in 30% improvement in user experience.
- Constructed queries to perform data transformation and filtering to process streams of raw data to generate nodes and associations in Neo4j reducing the time required by 60%.
- Significantly improved application availability and scalability by designing and implementing custom Docker containers, orchestrated through Kubernetes, leading to enhanced system reliability.
- Optimized API performance with Spring Cloud using service discovery and circuit brokers, achieving a significant 15% reduction in data fetching time.
- Implemented Contract Testing to get around the limitations of Schema Testing, resulting in reduced bugs and increased coherence between the backend and frontend framework.

Software Engineer: Wipro Ltd., Bangalore, KA   Dec 2019 - Feb 2022
- Enhanced system architecture performance by 10% via implementing object-oriented design and robust test patterns for a quoting tool of HPE's products and services.
- Designed secure SQL queries and stored procedures to prevent SQL injection and implemented triggers for automated auditing and data validation.
- Integrated ELK and FluentD, centralizing logs and enabling real-time monitoring resulting in enhanced troubleshooting, performance analysis, and application reliability.

Project Intern: Wipro Ltd., Bangalore, KA   Jan 2019 - Apr 2019
- Crafted a web application for efficient management of book metadata sourced from E-Library, optimizing for rapid retrieval by integrating Cassandra as the database solution, boosting the speed and accuracy of user searches.
- Implemented interactive SVG data visualizations with D3.js and deployed it to AWS, ELB & CloudFront, resulting in a 30% improvement in load times.

AWARDS

- Data Science for Engineers – NPTEL
- Trailblazers Award – Wipro Ltd.
- Education Representative for Entrepreneurship-Cell – LNCT Group of Colleges