Yash Pawar

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EDUCATION

Masters of Science in Information Systems   August 2024
Northeastern University, Boston, MA   *CGPA: 3.8/4*
Relevant Coursework: Data Structures and Algorithms, Web Design, Database Management, Application Development

Bachelors of Engineering in Information Technology   May 2020
Pune University, India   *CGPA: 3.7/4*
Relevant Coursework: Operating Systems, Program data structures, System Design, Software Dev Life cycle

WORK EXPERIENCE

Capgemini, Bangalore

Senior Software Engineer   **Jun 2021 - Sep 2022**
- Collaborated with a cross-functional team to create a performance analytics tool, increasing efficiency by 21%.
- Engineered and deployed 12+ SpringBoot microservices, orchestrating MongoDB, Angular, and reactjs integration, resulting in a 13% reduction in application response time.
- Pioneered a cost-saving initiative by identifying unused AWS resources and establishing S3 bucket expiration policies, leading to an annual cost reduction exceeding $17,000 in AWS expenditures.
- Utilized Design Patterns, implemented CI/CD pipeline with Jenkins, resulting in a 25% reduction in deployment time.
- Prepared test plans and test cases using Cucumber to verify software quality, troubleshooting, performance tuning, reducing code complexity, fixing code quality, and blockers in SonarQube.
- Designed and implemented PL/SQL triggers and procedures to enforce business rules and data integrity.
- Automated 35% of regression and unit test case generation using Generative AI tools such as OpenAI Codex.

Software Engineer   **Jun 2020 - Jun 2021**
- Led development of the SpringMVC app for internal service, thus reducing $72000 of third-party expenses.
- Modeled the infrastructure dependencies as a graph problem and used graph algorithms like BFS, and Union-Find to show the visualization and identify the root cause for a bunch of alerts.
- Integrated DynamoDB Database with other Azure services, including Azure DataFactory, Azure LogicApps, and Power BI, to create seamless data workflows and reporting solutions.

Software Engineer Intern   **Jan 2020 - Jun 2020**
- Contributed within an Agile Scrum framework, actively engaged in sprint activities to deliver scalable software solutions.
- Interacted extensively with J2EE FullStack development and Angular to build and customize web applications.
- Cleaned and organized extensive data with SQL, leveraging indexing, hashing, and eliminating 17% redundancy.

PROJECTS

Tweetopia   **Feb 2024 - Present**
- Crafted an innovative Twitter platform using SpringBoot Microservices architecture and reactjs, integrating advanced features such as Load Balancing, JWT Authentication, and MySQL with optimized indexing and clustering capabilities.
- Established a Jenkins CI/CD Pipeline automating build, Cucumber and JUnit testing, SonarQube quality check, and deployment on the AWS cloud platform, reducing 33% of manual time and 40% increasing platform stability.
- Integrated Apache Kafka message queues for real-time notifications, enhancing user engagement.

Task Pulse   **Oct 2022 - Mar 2023**
- Developed an annotated SpringBoot Rest controller to track and analyze 23% unorganized task executions.
- Mapped real-time data to MySQL tables through annotations and performed CRUD operations using Hibernate queries.
- Utilized S3 to store data and deployed the solution on AWS infrastructure to ensure scalability.

StockHub   **Jan 2023 - May 2023**
- Engineered FullStack app to monitor IKEA stock service Integrated 30+ SOAP API for data exchange with OAuth 2.0, Redis for Geo-sharding warehouse data, Twilio for notification/alerts achieving 89.28% test accuracy.
- Architected Zuul API Gateway, optimizing traffic routing, ensuring centralized access control, reducing 29% latency.

FreshHarvests   **Jan 2023 - May 2023**
- Programmed supermarket website with secure authentication and Paypal integration, ensuring seamless transactions.
- Incorporated reactjs animations for enhanced user interface and achieved 95% customer satisfaction.

SKILLS

Languages: Java, Python, JavaScript, C++, SQL
Web Technologies: SpringBoot, ReactJS, JQuery, HTML5, CSS3, AngularJS, Node.Js, REST API
Databases: MySql, PostgreSQL, Oracle 11g, MongoDB
Software/Tools: Git, AWS, Apache Kafka, Selenium, Postman, Kubernetes, Selenium, Spring Security