

Yash Pawar

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EDUCATION

Masters of Science in Information Systems

Northeastern University, Boston, MA

August 2024

CGPA: 3.8/4

Relevant Coursework: Data Structures and Algorithms, Web Design, Database Management, Application Development

Bachelors of Engineering in Information Technology

Pune University, India

May 2020

CGPA: 3.7/4

Relevant Coursework: Operating Systems, Program data structures, System Design, Software Dev Life cycle

WORK EXPERIENCE

Java/J2EE Developer, Ipserlab

Jan 2024 - Present

- Built RESTful APIs with **Spring Boot**, implementing features such as JWT authentication, role-based access control, and rate-limiting, enhancing application security and performance.
- Developed efficient asynchronous **JavaScript** functions to query SQL databases, reducing average response times.
- Integrated **Oracle 19c** with Java applications using JDBC and **Hibernate Spring ORM**, enabling seamless data access.
- Maintained CI/CD pipelines on **Pivotal Cloud Foundry**, automating deployments and reducing release time.
- Utilized **Angular's** reactive forms and RxJS to create seamless user experiences, improving validation efficiency.

Senior Software Engineer, Capgemini, Bangalore

Jun 2021 - Sep 2022

- Integrated **Redis** with **Spring Boot** to manage second-level cache and reduce load on relational databases.
- Optimized **Angular** application for performance, applying lazy loading, and code splitting, resulting in a 20% improvement in load times, increasing scalability, and reducing redundant code.
- Configured Spring Boot with **Apache Kafka** messaging system, enabling asynchronous processing and event-driven architecture that improved data processing throughput by 20%.
- Utilized asynchronous programming (Promises, async/await) in **Node.js** to optimize I/O-bound operations, resulting in a 15% boost in throughput.
- Implemented asynchronous communication between microservices using **Java Message Service (JMS)**, improving system scalability and decoupling service dependencies.
- Automated deployment processes for Java applications using **Ant scripts**, enabling seamless WAR/EAR file creation.
- Utilized **JUnit's** parameterized tests to run multiple test cases with varying input data, enhancing testing efficiency.

Software Engineer, Capgemini, Bangalore

Jan 2020 - Jun 2021

- Collaborated with a cross-functional team to create a Java17 performance analytics tool, increasing efficiency by 21%.
- Leveraged **TypeScript's** type inference to refactor existing codebases, improving the overall performance.
- Integrated **Python** with **AWS** cloud platform to build and deploy scalable, cloud-native applications, enhancing system performance and availability.

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.
- Enhanced user interaction by implementing JFace Actions and integrating them with toolbars and menus.

Task Pulse

Oct 2022 - Mar 2023

- Developed a Java 17 SpringBoot Rest controller to track and analyze 23% unorganized task executions.
- Mapped real-time data to Redis tables through annotations and conducted CRUD using Hibernate queries.
- Implemented reusable components and services in Angular, ensuring modularity and reducing code duplication.

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 date, Twilio for notification/alerts achieving 89.28% test accuracy.
- Configured JMS providers like ActiveMQ and RabbitMQ for reliable message delivery.

SKILLS

Languages: Java, Python, Javascript, TypeScript, C++, SQL

Web Technologies: SpringBoot, ReactJS, GraphQL, HTML5, CSS3, AngularJS, Node.Js, REST API

Databases: MySql, PostgreSQL, Oracle, MongoDB, DynamoDB, Redis

Software/Tools: Git, AWS, Apache Kafka, Junit, Jasmine, Kubernetes, Docker, Visual Studio Code