

# 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

### Ipserlabs, MountainView CA

#### Java Developer

Jan 2024 - Present

- Built RESTful APIs with Java17 Spring Boot, implementing features such as JWT authentication, role-based access control, and rate-limiting, enhancing application security and performance.
- Deployed React applications on the AWS cloud platform, ensuring scalability and high availability.
- Deployed CI/CD pipelines for Spring Boot applications using Jenkins, Docker, and Kubernetes on OpenShift, achieving automated build, test, and deployment processes that reduced release cycles by 50%.

### Capgemini, Bangalore

#### Senior Software Engineer

Jun 2021 - Sep 2022

- Optimized React application for performance, applying lazy loading, and code splitting, resulting in a 20% improvement in load times, increasing scalability, and reducing redundant code.
- Configured Prometheus to scrape metrics from AWS Lambda functions and other AWS services, enabling detailed performance analysis and proactive issue resolution.
- Calibrated Spring Boot microservices with messaging systems such as Apache Kafka and RabbitMQ, enabling asynchronous processing and event-driven architecture that improved data processing throughput by 20%.
- Ensured thread safety and data consistency by applying synchronization techniques and using concurrent data structures such as 'ConcurrentHashMap' and 'CopyOnWriteArrayList'.
- Ensured security compliance and best practices in DevOps processes, implementing tools like Vault for secrets management and enforcing secure CI/CD pipelines.
- Optimized MongoDB clusters by configuring replica sets, sharding, and tuning read/write concerns to ensure data availability and fault tolerance.

#### Software Engineer

Jun 2020 - Jun 2021

- Debugged Hibernate ORM configurations, including connection pooling, lazy loading, and batch processing.
- Integrated automated tests into CI/CD pipelines with GitLab CI, ensuring continuous validation of code changes.
- Enhanced existing React components by integrating third-party libraries such as Redux, Material-UI, and Formik.

## PROJECTS

### Tweetopia

Jun 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 Google cloud platform, reducing 33% of manual time and 40% increasing platform stability.
- Utilized Apache Kafka message queues for real-time notifications, enhancing user engagement.
- Tested React components with Jest and React Testing Library, ensuring high coverage and reliability.

### 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 DynamoDB tables through annotations and conducted CRUD using Hibernate queries.
- Leveraged TypeScript with React to build strongly typed components, improving code quality, and readability.

## SKILLS

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

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

**Databases:** MySQL, PostgreSQL, Oracle, Cassandra, DynamoDB, Redis

**Software/Tools:** Git, AWS, Apache Kafka, Jenkins, Junit, ElasticSearch, Kubernetes, GCP, Docker

## REFERENCES

Available on Request