

Shweta Sanjay Mate

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EDUCATION

DePaul University, Chicago, IL

09/2023 – 06/2025

Master of Information Systems

GPA 3.9/4

Relevant Coursework: Systems Analysis & Design, Cloud Computing, Database Programming, Data Warehousing, Python Programming

Savitribai Phule Pune University

06/2014– 05/2018

Bachelor of Engineering in Information Technology

GPA 4/4

Relevant Coursework: Data Structures and Algorithm, Operating Systems, DBMS, Object Oriented Programming, Web Programming

SKILLS

Skills and Technologies: Java, Java 8, Java EE, C, Python REST Web Services, JSON, XML, Maven, Microservices,

Framework and Databases: Spring, Spring Boot, Spring Security, SQL (MySQL, Postgres, Oracle), NoSQL(MongoDB), JDBC, GraphQL, Hibernate, JPA

Tools: Eclipse, IntelliJ, VS Code, XCode, Postman, Swagger, JIRA, GIT, Linux, AWS (EC2,S3 ,RDS, Lambda), Junit, Mockito

Others: SDLC, TDD, OOP, JMS, Agile, Design Patterns, DevOps, Caching, Docker, Kafka, OpenShift, Redis

EXPERIENCE

Website Manager

08/2024 – Present

DePaul University

Chicago, USA

- Rearchitected and built the official website for DePaul's Blue Book: Best American High School Writing, improving user experience and accessibility by 30%, while integrating Google Analytics for real-time user behavior tracking and insights.
- Streamlined website architecture and enhanced content organization, increasing user engagement by 25%, with the use of Google Analytics to measure performance and identify areas for optimization.

Software Developer

04/2024 – 11/2024

DePaul iD Lab

Chicago, USA

- Designed and implemented an end-to-end ETL pipeline to extract real-time user activity data from ScyllaDB, transform it using Python (Pandas), and load it into Snowflake for scalable analytics.
- Automated data pipeline scheduling using Airflow, enabling hourly insights into user behavior and improving data availability for reporting dashboards.

Software Engineer (Level - G2)

11/2021 – 05/2023

Xoriant Solutions Private Ltd

Pune, India

- **Designed, developed, and migrated an end-to-end project to scalable microservices architecture using Java, Spring Boot, and Spring Data JPA, enhancing modularity and system resilience.**
- **Containerized and deployed applications on AWS using Docker and Kubernetes (EKS),** ensuring high availability, efficient scaling, and streamlined deployment across environments.
- **Configured robust CI/CD pipelines with Jenkins,** integrating GitLab for source control and automating builds and deployments, reducing development cycle time by 5 hours/week.
- **Leveraged Kafka for building event-driven microservices architecture,** enabling seamless communication across distributed services.
- **Enhanced system monitoring and observability** by integrating tools such as Prometheus, Grafana, resulting in improved performance tracking and proactive issue resolution.
- **Implemented secure authentication workflows using OAuth2 and Spring Security** and adopted best practices for data protection and cloud security to ensure compliance and safeguard user information.

Software Engineer Trainee

03/2019 – 11/2021

Nihilent Technologies Inc.

Pune, India

- Provide full lifecycle support to clients from initial client interaction and requirements analysis through design, implementation, debugging.
- Architected and deployed robust **RESTful APIs** utilizing Spring Boot, JPA, and JWT-based authentication, streamlining data flow and fortifying application security
- Collaborated with **stakeholders** to streamline screen development reducing screen complexity by 30% through detailed discussions and finalizing coding approaches, resulting in a 25% improvement in implementation efficiency and maintainability.

PROJECTS

- **Spring Boot Reference Documentation Assistant with RAG:**

Developed a chatbot leveraging Retrieval-Augmented Generation (RAG) techniques using Spring Boot, integrating Spring AI, Ollama with Mistral, and PG Vector Database to build a Reference Documentation Assistant that efficiently retrieves and generates context-aware documentation for developers.

- **Expense Tracker App:**

Developed an **Expense Tracker application** using Java (Spring Boot) for backend logic and MongoDB for NoSQL data storage, allowing users to add, update, delete, and categorize expenses with secure data handling and user-friendly API endpoints.

- **Candy Catcher– Browser-Based Arcade Game: (AWS Hackathon)**

Implemented AWS services such as DynamoDB and S3 for *Candy Collector*, reducing game load times and improving real-time score tracking, while staying within the free-tier limits to optimize costs.