Param Upadhyay

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PROFILE

Dynamic Java Developer with a year of comprehensive experience in creating innovative solutions through RESTful web services and proficient in Spring MVC, Angular, and MySQL. Adept at leveraging cloud technologies and version control systems such as Docker, GIT, and AWS to enhance application performance. Strong creative writing skills honed through leadership in content creation and effective communication with diverse clientele. Eager to apply analytical thinking and adaptability in a collaborative environment, fostering a rich exchange of ideas and perspectives. Committed to contributing positively to a global community while advancing technical expertise.

EMPLOYMENT HISTORY

Jul 2023 — Jan 2024

Java Developer, Bharti Soft Tech Pvt Ltd (Internship)

- Developed RESTful web services using Spring MVC, Angular, and MySQL to deliver scalable applications.
- Implemented robust security protocols utilizing Spring Security, enhancing overall application security.
- Managed version control and deployment processes using GIT and Docker, streamlining workflows.
- Collaborated on cloud-based solutions using AWS, optimizing application performance and reliability.
- Conducted code reviews and participated in Agile development meetings, fostering team collaboration and continuous improvement.

Jan 2020 — May 2021

Content Writer, FutureLink Consultants

- Led content writing initiatives, overseeing task delegation among team members.
- Developed engaging creative content across various digital platforms, enhancing brand visibility.
- Fostered strong client relationships through effective communication with clients from Africa, Dubai, and New Zealand.
- Analyzed content performance metrics to refine strategies and improve engagement.
- Collaborated with cross-functional teams to align content with marketing objectives.

Jul 2019 — Oct 2019

Accountant, Khedkar & Co

- I was tasked with collecting, verifying, and performing financial and accounting operations on the data, ensuring it is adherence to established accounting principles and company guidelines.

EDUCATION

Aug 2024 — May 2026

Masters in Computer Science, West Chester University (WCU)

West Chester

Jul 2022 — May 2023

Post Graduate Diploma in Computer Application, Maharaja Sayajirao University (MSU)

Vadodara

Jun 2017 — Apr 2020

Bachelor of Commerce (Major: Finance and Accounting), Maharaja Sayajirao University (MSU), Vadodara

Vadodara

SKILLS   Critical thinking and problem solving

Fast Learner

Flexibility and Adaptability

Effective Communicator

PROJECTS

Spring-MVC-Angular

Secure Web Application

- Built a stateful full-stack web application using Spring MVC (backend) and Angular (frontend).
- Configured backend with header file setup and Spring Security (OAuth2) for authentication and session handling, including automatic logout after 2 minutes of inactivity.
- Developed a Calculator service API to test mathematical operations; verified endpoints with Postman using JSON payloads.
- Managed project dependencies and build lifecycle with Maven, packaging the backend as a WAR file.
- Deployed the application on Apache Tomcat ( ) for runtime execution.
- Used Git for version control and Docker for containerization to ensure portability across environments.

Technologies:

Front-End: Angular

Back-End: Spring MVC, Spring Security (OAuth2), Header File Configuration (CORS, Session)

Build & Deployment: Maven, Apache Tomcat (WAR packaging)

Others: REST APIs, Postman (API Testing), Git, Docker

Traffic-Simulator

Developed a robust simulation platform combining graph algorithms and real-time spatial visualization for analyzing and optimizing urban traffic control strategies.

- Built a real-time traffic simulation web application to model intersections, road networks, and vehicle flows.
- Implemented shortest path algorithms (Dijkstra, A*), traffic signal scheduling (round-robin, adaptive), and queue management for congestion reduction.
- Developed an interactive geospatial interface using React and Leaflet.js to visualize live traffic movement and congestion heatmaps.

Technologies:

Front-End: React.js, Leaflet.js, CSS

Back-End: Node.js, Express.js

Algorithms: Dijkstra, A*, Traffic Signal Scheduling, Queue Management

Database: MySQL

Movie Vault

- Designed and implemented a full-stack web application with liking, reviewing, and a personalized movie recommendation system.
- Built a comprehensive movie database containing titles, genres, directors, actors, release dates, ratings, and user reviews.
- Developed user features including profiles, commenting, review writing, and search with filtering for enhanced usability.

- Implemented a recommendation engine leveraging collaborative filtering and content-based algorithms to generate personalized movie suggestions.
- Created an interactive movie details page with dynamic rendering and real-time updates.
- Integrated an admin dashboard for content moderation, database management, and user activity monitoring.
- Containerized the application with Docker and deployed on cloud infrastructure for scalability.

Technologies:

Front-End: React.js

Back-End: Node.js, Express.js

Database: PostgreSQL

Algorithms: Collaborative Filtering, Content-Based Recommendation, Ranking Algorithms

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Technical Skills

- Programming Languages: JavaScript , TypeScript, Java, SQL, Python
- Frontend: React.js, HTML, CSS, Leaflet.js
- Backend: Node.js, Express.js, Spring MVC, Spring Boot, Spring Security (OAuth2)
- Databases: PostgreSQL, MySQL
- Tools & Platforms: Docker, Maven, Git, Postman, Apache Tomcat
- Web & API Development: RESTful APIs, JWT Authentication, Session Management, Header Configuration (CORS, security headers)
- Other: State management (Redux / Context API), CI/CD pipelines, Containerized deployments