Udayraj Sawant

+1 682(403)-0599

udayraj.sawant95@gmail.com
linkedIn.com/udaysawant/

PROFESSIONAL SUMMARY :

Full Stack Engineer with 5+ years of experience building scalable web applications and backend systems using **React, Angular, Node.js,** and **Java Spring Boot**. Proficient in designing **RESTful** and **GraphQL** APIs, microservices, optimizing SQL databases, and delivering high-performance UIs for CRM and analytics platforms. Skilled in CI/CD **(Jenkins, Docker, SonarQube)**, cloud architecture (**AWS Lambda, EC2, S3**), and container orchestration (**Kubernetes**). Experienced in developing research-driven solutions using **PyTorch, Unity,** and **Docker**, blending software engineering with data science and VR innovation.

EDUCATION :

The University of Texas at Arlington, Arlington   **Aug 2022 - May 2024**
Master of Science, Computer Science | GPA : 3.85
Relevant Coursework : Neural Networks, Computer Vision, Artificial Intelligence, Machine Learning

PROFESSIONAL EXPERIENCE :

FLOWAI   **Aug 2024 – Present**
 Software Developer
- Developed and maintained responsive, high-performance user interfaces using **React (TypeScript, HTML, CSS)**, enhancing usability for Salesforce-based CRM platforms.
- Engineered reusable React components and state management solutions to support scalable, real-time enterprise features.
- Built **RESTful APIs** and **microservices with Node.js** and **Express**, handling large-scale data flows and complex logic.
- Optimized **PostgreSQL** queries and backend architecture to reduce latency by 40% and improve throughput under load.
- Understanding of **CI/CD** pipelines using **Jenkins**, containerized services with **Docker**, and ensure code quality via **SonarQube** and **Maven** integration.
- Plus leveraged **AWS Lambda, EC2, S3,** and **API Gateway** to build serverless architectures, boosting storage and deployment efficiency by 50%.

University of Texas, Arlington   **Aug 2022 – July 2024**
Software Developer
- Developed a VR video recommendation system using **PyTorch** and a graph-learning based model, achieving a significant improvement (over 68% in recommendation precision) compared to state-of-the-art approaches.
- Leveraged **Docker** to create consistent and isolated development environments.
- Demonstrated strong problem-solving and analytical skills by independently designing and implementing a VR application, meeting all project requirements and delivering the project ahead of schedule.
- Collected data from 58 participants, each viewing 58 short videos, developing adaptive bitrate streaming for VR integrating human factors to prioritize higher video quality during points of interest in a video.
- Technology used: **DOCKER, PyTorch, Python, Pandas, C++, C#,Unity.**

BYJU's, Mumbai   **Jun 2020 – Jun 2022**
Software Engineer
- Developed dynamic and responsive web applications using **React**, enhancing UX across internal dashboards and business intelligence tools. Partnered with **User Acquisition** and **Retention teams** to deliver **data-driven features**, driving   measurable improvements in user engagement and satisfaction.
- Worked closely with Product Managers and Data Analysts to translate business requirements into intuitive, responsive **UI/UX workflows**, directly contributing to a 20% increase in user task completion rates.
- Designed and deployed **microservices using Spring Boot** to handle real-time data processing, event tracking, and **API orchestration** across distributed systems.
- **Implemented API orchestration and service communication** using **REST** and **GraphQL**, ensuring fault-tolerant interactions between services within a distributed **microservice architecture hosted** on **AWS**.

TECHNICAL SKILLS :

Programming Languages: Java, Python, Javascript, J2EE, c#, PHP, Scala, Typescript, JSON, XML
Backend Development: RESTful APIs, Microservices, Django, Node.js, Spring Boot, Go, Hibernate
Database Technologies: MongoDB, PostgreSQL, Oracle, SQL Server, MySQL, DynamoDB,
Visualization: Tableau, Power BI, Google Data Studio, Excel, matplotlib
Web Development: HTML5, CSS, React.js, Angular, JavaScript, jQuery, JSP, DOM, Bootstrap
DevOps & Tools: Docker, Kubernetes, Git, Jenkins, CI/CD, Apache Kafka, Terraform
Cloud: AWS (EC2, S3, Lambda, RDS, IAM), AZURE
Testing & Performance: JUnit, Mockito, JMeter

CERTIFICATES :

AWS Solution Architect Associate, AWS Developer Associate, Certified DevOps Engineer – Professional