

Sri Sailesh

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Seattle, WA

EDUCATION

University of Washington

Master of Science in Computer Engineering

Vignan's Lara Institute Of Technology And Science

Bachelor of Technology in Electronics and Communication Engineering

Washington

08/2023 – 03/2025

India

07/2017 – 07/2021

EXPERIENCE

Front-End Engineer

01/2024 – 03/2025

University of Washington

Washington

- Rebuilt the Integrated and Facilities Services Department website at UW using React, Python, HTML, and CSS, reducing load times by 30 seconds and significantly improving overall user experience and navigation.
- Implemented responsive web design principles to ensure accessibility across various devices, improving usability for students, faculty, and staff. Optimized layouts for mobile and tablet views to enhance engagement.
- Collaborated closely with UX designers, backend developers, and content managers to integrate APIs, streamline data retrieval, and enhance the functionality of dynamic content such as event scheduling and facility reservations.
- Developed interactive components for facilities management, including real-time status updates for maintenance requests and resource allocation, improving efficiency and user engagement.
- Optimized website performance by refactoring code, reducing redundant scripts, implementing lazy loading, and leveraging caching techniques, which improved page load speed and reduced server requests.
- Built end-to-end features using ReactJS and integrated them with Python-based RESTful APIs, showcasing full-stack development skills.
- Enhanced website security by implementing best practices such as HTTPS enforcement, data encryption, and secure authentication mechanisms to protect sensitive university data from potential threats.
- Applied Agile development methodologies, utilizing tools such as Jira and Git for version control, issue tracking, and sprint planning to ensure continuous improvements and timely feature releases.

Software Engineer

08/2021 – 07/2023

Wipro

Aditya Birla Health Insurance

- Developed and optimized high-performance RESTful APIs using Java and Spring Boot, reducing response times by 200 milliseconds per request and improving overall system efficiency.
- Integrated Hibernate with Spring Framework for efficient ORM-based database access, optimizing query performance by 40% and streamlining data handling.
- Designed and deployed microservices architecture for health insurance management, ensuring high scalability and availability using Spring Boot and AWS. Managed environment remediation protocols during deployments.
- Built and maintained full-stack web applications, integrating front-end interfaces using Angular with backend services built in Java Spring Boot, enabling complete user workflow support.
- Implemented CI/CD pipelines using Jenkins, Docker, and Kubernetes, reducing manual deployment efforts by 60%, and improving software delivery speed.
- Built comprehensive unit and integration tests using JUnit and TestNG, ensuring robust and bug-free application functionality. Demonstrated a strong understanding of the Software Development Lifecycle.
- Worked closely with product managers to enhance customer satisfaction through seamless user interface improvements, showcasing creativity and leadership.
- Managed multiple priorities effectively, showcasing time management and problem-solving skills in a fast-paced development environment. Applied debugging techniques to enhance system stability.

PROJECTS

ETL Pipeline

AWS Lambda, AWS S3, Aurora PostgreSQL, Java

- Designed an ETL pipeline leveraging AWS Lambda to transform and load large datasets into an Amazon Aurora PostgreSQL database, achieving faster data processing and reducing latency.
- Optimized the pipeline performance by incorporating batch processing and reducing data load time by 35%. Implemented error-handling mechanisms to ensure seamless data flow, applying debugging strategies for troubleshooting.

AI-Powered Home Energy Management System

Python, MySQL, ReactJS, JavaScript

- Developed a smart home energy monitoring system that utilized AI algorithms to predict and optimize energy consumption, resulting in a 20% reduction in energy costs.
- Integrated real-time data from IoT devices using Python and MySQL for storing and processing energy consumption logs. Built an interactive dashboard for real-time visualization of energy usage patterns. Applied creative problem-solving to enhance the UI/UX.

Amazon Website

ReactJS, Node.js, Express, MongoDB

- Redesigned an Amazon-inspired e-commerce platform with an improved UI/UX and enhanced performance. Implemented creative solutions to optimize user interaction and product discovery.
- Implemented secure user authentication, order management, and real-time inventory tracking. Enhanced search functionality with optimized indexing for faster product discovery, ensuring security and national compliance.

TECHNICAL SKILLS

Languages: Java, Python, C++, C#, Bash, .NET

Front-End: JavaScript, TypeScript, HTML, CSS, ReactJS, Angular, NextJS, UI/UX, REST API

Back-End: Spring Boot, Node.js, Express.js, .NET Core, Django, Flask, GraphQL

Databases: MySQL, PostgreSQL, MongoDB, Firebase, Redis

DevOps and Cloud: AWS, Docker, Kubernetes, Jenkins, CI/CD, Terraform