Ravi Teja Reddy Purini

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Portfolio

Professional Summary

Dynamic and results-driven **Full Stack Developer** with a proven track record of delivering high-quality web applications and solutions. Possessing strong expertise in front-end and back-end technologies, including **HTML, CSS, JavaScript, React, Spring framework, and SQL**. Experienced in designing and implementing **RESTful APIs, microservices architecture**, and ensuring application security through robust authentication and authorization mechanisms. Adept at collaborating with cross-functional teams in **Agile environments** to analyze requirements, architect solutions, and deliver projects that meet or exceed client expectations. Committed to staying updated with emerging technologies and best practices in software development to drive innovation and continuous improvement.

Work Experience

Tata Consultancy Services – HYD, INDIA

Software Engineer   Oct 2021 – Nov 2022

- Developed responsive and visually appealing web applications using **HTML, CSS, JavaScript and React** incorporating **lazy loading** techniques for enhanced performance.
- Implemented **React Router** for seamless navigation and dynamic routing within single-page applications, enhancing user experience.
- Integrated **Bootstrap** and **Material UI** components to ensure consistency in design and usability across the application.
- Designed and developed **RESTful APIs** using **Spring framework** for efficient communication between front-end and back-end systems.
- Implemented **Spring Security** to enforce authentication and authorization controls, ensuring secure access to resources and protecting against common security threats.
- Implemented **Spring Microservices** architecture to optimize application performance, resulting in a notable 15% improvement in performance metrics.
- Utilized **Selenium** for debugging and testing, ensuring the reliability and robustness of web applications.

- Leveraged **SQL** for scalable and reliable data storage, optimizing performance and minimizing downtime.
- Collaborated closely with cross-functional teams to gather requirements, design solutions, and deliver projects on time and within budget, following **Agile methodologies**.

Keka – HYD, INDIA

Software Engineer – Intern   NOV 2020 – JULY 2021

- Worked within the Workforce Management division, focusing on **Leave Management, Timesheet Management, and Approval Chain processes**.
- Conducted comprehensive testing of product components to ensure functionality and quality assurance.
- Gained proficiency in **front-end development** principles and utilized version control systems, particularly **Git**, to manage project iterations effectively.
- Collaborated with team members to identify and resolve issues, contributing to the overall improvement of **product performance**.

Education

University of East London	Jan 2023- Present
Master's in computer science	Dockland, London
Vignan's University	July 2017- May 2021
Bachelor's in computer science	Guntur, Ap, India

Academic Projects

Pothole Detection System (Master's Project)

- Designed and developed a machine learning-based pothole detection system as part of a master's research project.
- Utilized machine learning algorithms and computer vision techniques to detect potholes from images captured by onboard vehicle cameras.
- Implemented the system using Python and popular machine learning libraries such as TensorFlow and OpenCV.
- Conducted extensive testing and evaluation to assess the accuracy and performance of the pothole detection system.
- Presented findings and project outcomes at academic conferences or seminars, showcasing expertise in machine learning and its real-world applications.

Vignan Supermarket Website (Bachelor's Project)

- Developed a fully functional website called Vignan Supermarket using HTML, CSS, and JavaScript for front-end development.
- Implemented backend functionality using JDBC (Java Database Connectivity) and JSP (Java Server Pages) for dynamic content generation and database interactions.
- Designed an intuitive user interface for seamless navigation and enhanced user experience.
- Demonstrated proficiency in full-stack development principles and gained practical experience in building web applications from scratch.

Technical Skills

Languages	C, Java, Python, Java Script.
Front End	Html, CSS, React, Bootstrap, Material UI.
Back End	Spring Boot, Spring Microservices, J2EE, Spring MVC, Spring Security.
Database Management	My-SQL and MongoDB.
Testing	Selenium, J Unit.