Sudharshan Bommasani

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SUMMARY

Experienced Software Development Engineer with nearly 3 years of expertise in designing and deploying interactive, responsive web applications, and RESTful services. Proven track record of leveraging new technologies to enhance code quality by 30% and user experience. Known for collaborative skills in cross-functional teams. Eager to contribute to a progressive organization focused on innovation and professional growth.

TECHNICAL SKILLS

Programming Languages: Python, JavaScript (ES6+), Java (Maven)

Frontend Specialization: HTML5, CSS3, JavaScript, React JS (Hooks, Router, Redux, Context API), Bootstrap, Material-UI

Backend Specialization: Restful Web Services, Python (Fast API), Node JS (Express)

Testing & Automation: Selenium (Python), Unit testing (Jest)

DevOps: Kubernetes (Basic), Docker (Basic)

Version Control & CI/CD: Git, GitHub, Jenkins

Project Management & Tools: Agile Methodologies, SDLC, Jira

Design & Technical Documentation: Figma, Oxygen Author

Cloud Platforms: Google Cloud Platform (GCP)

AI & Machine Learning Platforms: IBM Watson

EXPERIENCE

Associate Software Engineer - Capgemini   Dec 2021 – Present

IBM Storage Modernization GUI
- Developed and implemented story features using standard web technologies and IBM Carbon design components.
- Refactored and optimized React components for virtualized storage systems, contributing to a 30% improvement in project code efficiency.
- Conducted automation and manual testing, creating test cases and integrating them into Jenkins CI/CD pipelines for seamless regression testing and report generation.

IBM Spectrum Protect Plus Documentation
- Authored and migrated comprehensive technical documentation and troubleshooting guides for IBM Spectrum Protect Plus.
- Established CI/CD pipelines and version control systems to ensure accurate and timely documentation updates.

POC Development: HRBOT, Financial BOT
- Designed and developed Gen AI-powered web applications using Python, FastAPI, and React JS.
- Integrated open-source ML frameworks such as LangChain and LlamaIndex to build Gen AI powered application which enhance functionality and performance.

PROJECTS

Brain Math
Technologies Used: React JS, CSS
Description:
Developed a dynamic Single Page Application using React JS for interactive daily math exercises. Implemented modular architecture with React components for efficient scalability. Deployed on Firebase for reliable hosting and data management.

Qtrip Static
Technologies Used: HTML, CSS, Bootstrap
Description:

Crafted a static web application showcasing tourism destinations with detailed listings and trip booking functionalities. Utilized Bootstrap grid system for responsive design and seamless user experience.

Qtrip Dynamic

Technologies Used: HTML, CSS, JavaScript, Bootstrap

Description:

Enhanced Qtrip Static with dynamic filtering and real-time booking features. Integrated localStorage and fetch API for data persistence and efficient API integration using JavaScript for enhanced user interaction.

Qkart

Technologies Used: React JS, Material-UI, Node JS, Express, REST API

Description:

Designed and implemented an end-to-end e-commerce platform using React JS and Material-UI for frontend. Managed backend operations with Node JS, Express, and REST API, ensuring seamless product search, cart management, and checkout functionalities. Deployed on Vercel for optimized performance.

EDUCATION

Apprenticeship Dec 2023 – Present
Crio.do *Bengaluru*

Bachelor of Technology in Electrical and Electronics Engineering Jul 2016 – Sep 2020
Madanapalli Institute of Technology and Sciences *Madanapalli*

CERTIFICATES AND AWARDS

Certificates: Generative AI for Everyone, Generative AI: Prompt Engineering Basics

Awards: Wow Award, Star Award