SIDDARTHA SODUM

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Software Engineer Developer

Results-driven Software Engineer with expertise in **web and Windows software development, database design, and system integration**. Adept at building scalable solutions for **payroll, accounting, and benefits industries**, leveraging technologies such as **SQL, XML, SOAP, and component-based architectures**. Strong communicator with experience in collaborating with **clients, vendors, and third-party teams** to develop and deploy high-quality solutions. Demonstrated ability to perform **quality assurance, integration testing, and project management** to ensure efficient software deployment and operational success.

Professional Experience

Pyro Group, India   **Aug 2020 - Nov 2022**
Software Engineer(Developer), Hyderabad
- Developed web and Windows-based applications, integrating external vendor services and APIs.
- Designed and optimized SQL database structures to improve system performance and data integrity.
- Created **EDI (Electronic Data Interchange) solutions** to facilitate seamless data exchange between clients and vendors.
- Implemented SOAP and XML-based communication protocols for system integration.
- Collaborated with cross-functional teams to support software development, testing, and deployment.
- Managed and tracked project communications, serving as a primary contact for client-specific projects.
- Adhered to organizational processes and tracked project metrics, including financials and status updates.

Projects

University of Oklahoma, Sensitive Information Redaction using NLP, Link **Jan 2023 - May 2023**
- Developed a project to redact sensitive information using Natural Language Processing (NLP).
- Utilized advanced NLP techniques to identify and obscure sensitive data in textual documents.

University of Oklahoma, NFT Marketplace Development, Link   **Jan 2024 - May 2024**
- Developed a fully functional NFT marketplace as a final project for a Blockchain technology course.
- Integrated the marketplace with the MetaMask Testnet, allowing users to buy and sell NFTs.
- Utilized JavaScript and Python for frontend and backend development.
- Wrote smart contracts using Solidity, gaining practical experience in web 3.0 technologies.

University of Oklahoma, Process Automation & Workflow Optimization   **Aug 2023 - Dec 2023**
- Designed workflow automation tools using Power Automate to streamline administrative tasks and document approvals.
- Integrated Power Apps with SharePoint for seamless data management and user-friendly interfaces.

- Created a dynamic dashboard in Microsoft Power BI for real-time performance monitoring and decision-making.

Education

University of Oklahoma, Norman, United States, Masters in Computer Science, (GPA: 3.86), Jan 2023 - Dec 2024
- Contributed to digitalization processes and technology solutions at the University's Library Administrative Services while pursuing a Master's in Computer Science.

Core Competencies

Software Development: Web and Windows application development, EDI integration, quality assurance testing
Programming Languages: Python, C, C++, JavaScript
Web Development: HTML, CSS, ReactJS, FastAPI, Django (Web Framework), Flask (Web Framework)
Cloud Services: AWS, AWS Lambda
Microsoft Technologies: Power Automate, Power Apps, SharePoint, Teams, MS Project
Database Management: SQL, MongoDB
Operating Systems and Tools: Linux, Git, Bash