Venkata Naveen Aduri

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SUMMARY

Innovative Software Engineer with a strong foundation in front-end and full-stack development. Proficient in building engaging, high-performance user interfaces and scalable solutions using React, Vue.js, and modern web technologies.

PROFESSIONAL EXPERIENCE

Constella Intelligence: Software Engineer   **Hyderabad, India | Aug 2021 - Jul 2023**
- Led the end-to-end implementation of Single Sign-On (SSO), from writing design documents to delivering the solution to customers, resulting in a 30% reduction in onboarding time and a 20% increase in user adoption.
- Designed and tested web applications with Java, Spring Boot, Python Django, TypeScript and Vue.js, including CRUD operations and dashboard views, improving API management and user interaction.
- Built RESTful APIs and microservices to enhance application scalability and maintainability. Utilized Docker for container-based virtualization, streamlining deployment processes and improving efficiency.
- Employed version control using Git to facilitate fully agile project management methodologies to support every phase of the software development life cycle (SDLC).

Constella Intelligence: Software Developer (Intern)   **Hyderabad, India | Mar 2021 - Jul 2021**
- Gained hands-on experience with Python Django, Spring Boot, Vue.js, and modern web development technologies. Developed modular widget UI components using Vue.js, enabling customers to embed dynamic and interactive interfaces on their websites.

Acropreneur: Software Developer Co-Op   **CA, USA | Aug 2019 - Feb 2020**
- Managed the content-based website for 'oneeasyrecipe.com' using Drupal CMS, Linux, and MySQL.
- Generated a Role based web application with Vue.js, Node.js, and MongoDB for third-party sellers.
- Built a news aggregator script for RSS feeds using CodeIgniter, PHP, and MySQL.

MCR Web Solutions: Software Engineer Intern   **Bhimavaram,India | Apr 2018 - Mar 2019**
- Created a dynamic website for University of Hyderabad with individual faculty logins importing Google Scholar publications.
- Managed the open-source learning management system Moodle to facilitate online examinations at the college, saving over 40 man-hours each month.
- Collaborated with a team of four to create an e-commerce website using Angular and Spring Boot.
- Played a crucial role in the website's upkeep by regularly adding new products and improving the user interface, while also developing new test cases to ensure its functionality.

SKILLS

Programming Languages: Python, C++, Java, C, Shell scripting, JavaScript, PHP, R, ReactJS, AngularJS, TypeScript
Databases and Data Tools: SQL, MongoDB, NoSQL, PostgreSQL, Pandas, Numpy, Tableau, PowerBI, D3JS
Tools & Other Technologies: Docker, AWS, HTML, CSS, Git, Flask, Agile Methodologies, Windows, MacOS, Linux/Unix
Testing Tools : JUnit, Postman, Selenium, Cypress

PROJECTS

Pizza Ordering Platform
- Built a pizza-ordering platform with React.js (frontend) and Go with Fiber (backend), using MongoDB for data management. Set up the environment, integrated initial data, and ensured seamless frontend-backend interaction.

Expense Tracker App
- Built a React-Node.js app for expense tracking with MySQL, deployed on DigitalOcean, featuring authentication and data visualization. Used JUnit for unit tests, Cypress and Applitools for comprehensive testing, ensuring reliability and visual consistency across the application.

US Labor Market Dynamics Project
- Developed a project on GitHub that provides insights into employment patterns and economic factors affecting the US labor market. Utilized data analysis and modeling techniques to examine labor market dynamics and trends, contributing to a deeper understanding of workforce changes.

EDUCATION

University of North Carolina at Charlotte, Charlotte, NC   **Aug 2023 - Dec 2024**
Master's in Computer Science   **GPA: 4.00/4.00**
Course Work: Visual Analytics, Intelligent Systems, Network Based Application Development, Software System Design and Implementation

Sagi Ramakrishnam Raju Engineering College, India   **Jun 2017 - Jul 2021**
Bachelor of Technology in Information Technology   **GPA: 8.3/10**
Course Work: Algorithms, Data Structures, Operating Systems, Object Oriented Programming, Database Management Systems Machine Learning, Distributed Database Systems, Cloud Computing, Data mining

OTHER EXPERIENCE

University of North Carolina at Charlotte: Teaching Assistant   **NC, USA | Aug 2024 - Dec 2024**
- Assisted Professor in grading assignments, guided students, and implemented sample projects for CI/CD pipelines and management tools like Jira, enhancing student understanding in the Software Development Projects (ITCS-4155) course.