Jithesh Jalapothu

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Summary

Software Engineer with hands-on experience in frontend development and automation. Recognized for building intuitive, the engineer designs crucial interfaces using contemporary web technologies to enable performance optimization. Demonstrated experience in working with agile teams at quick speeds and shown excellence in improving system performance as well as user interface usability.

SKILLS

Programming Languages: Python, JavaScript, SQL, YAML.
Frameworks & Libraries: Angular, Django, HTML, CSS.
Tools & Technologies: AWS, Git, Selenium, Stripe API.
Software Development: Web Applications, Automation, Backend & Frontend Engineering.

PROFESSIONAL EXPERIENCE

Innova Solutions, Hyderabad, India - *Software Engineer*   June '22 – May '23

- Spearheaded the development of a cutting-edge Time & Expense management interface using Angular, enhancing platform usability and boosting user satisfaction by 30%.
- The process automation scripts written have reached a level of efficiency which resulted in a 40% reduction of manual work.
- Employed SQL for database management and backend development, ensuring high-level performance across the application.
- Performance testing resulted in a 20% reduction of application load times through optimized load time and scalability improvements.
- **Technologies:** SQL, JavaScript, YAML, TypeScript, Angular, HTML, CSS.

Manac Info Tech (P) Ltd, Hyderabad, India - *Web Development Intern*   March '21 – May '21

- Acquired and honed expertise in HTML, CSS, and JavaScript, laying a strong foundation for modern web application development.
- Collaborated with senior developers to contribute to responsive, user-focused web applications.
- **Technologies:** HTML, CSS, JavaScript, Ajax.

Education

Seattle University, Seattle, WA   June 2025
Master of Science in Computer Science
Related Coursework: Artificial Intelligence, Software as a Service, Cloud Computing, Fundamentals of Software Engineering, Graphics/Game project, Distributed Systems.

Sree Vidyanikethan Engineering College, Tirupati, India   June '18 – May '22
Bachelor of Technology in Computer Science
Related Coursework: Computer Organization, Operating Systems, Data Structures, Python programming, Mobile Application Development.

Projects

E-commerce Platform (GitHub)   Jan '24 – March '24

- Engineered a robust and scalable E-commerce platform, leveraging Django to handle high-traffic scenarios and ensure efficient data management.
- Integrated Stripe API for payment processing, enabling a 100% increase in available payment option.
- Delivered a visually appealing, highly responsive frontend with HTML and CSS, achieving a 25% faster real-time interaction through Ajax.
- **Technologies:** Python, HTML, CSS, Ajax, Django.

Brick Breaker Game(GitHub)   March '24 – May '24

- Designed and developed a fully interactive 2D arcade game, complete with smooth physics simulations and visual effects.
- Core gameplay features for Brick Breaker using C++ and accomplished a 15% improvement of frame drop rates.
- Through OpenGL implementation of collision detection, the game performance became 20% more fluid.
- **Technologies:** C++, OpenGL.

Re-Recipe (GitHub)   Sep '23 – Dec '23

- Integrated Google Authentication to enhance user security and streamline logins, reducing unauthorized access by 85% users.
- Engineered responsive web applications with Angular and TypeScript, creating reusable components that accelerated development by 40% and improved performance by 30%.
- Built user-centric recipe features such as Add to Favorites and Create Your Own Recipe, enhancing platform interactivity and encouraging content contribution.
- **Technologies:** HTML, CSS, Angular, TypeScript, JavaScript, MongoDB.

ACHIEVEMENTS

- **International Mathematics Olympiad**: Ranked 775 at the state level, achieving an international ranking of 5858.

CERTIFICATIONS

- Coursera – Introduction to Machine Learning (Link)
- National Conference (NCKITS) – (Brain Disease Classification Age Estimation From MRI).
- CISCO Networking Academy – Cybersecurity Essentials (NetworkingID: 1027807749).
- Program Essentials in Python (NetworkingID: 1027807749)
- CISCO Networking Academy –Networking Essentials (NetworkingID: 1027807749).