Varun Papishetty

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Education

Master of Science in Computer Software Engineering **August 2023 – May 2025**
San Jose State University, California, United States of America
Course Work: Enterprise Software Platforms, Software Systems Engineering, Andriod Development, Machine Learning, Deep Learning, Data Mining

Bachelor of Technology, Computer Science **August 2018 – May 2022**
Jawaharlal Nehru Technological University, Hyderabad, India
Course Work: Design and Analysis of Algorithms, Data Structures, Operating Systems, DBMS, OOP using Java, Python

Technical Skills

Languages: Python, Java, JavaScript, .NET, HTML, CSS, C, C++, PHP,
Databases: SQL, MySQL, DynamoDB, MongoDB, Oracle
Frame Works ReactJS, NodeJS, React Native, NextJS, ExpressJS, NestJS, Junit, JQuery
Networking: RESTful API, TCP, UDP, HTTP, DNS, FTP
Cloud Technologies: AWS Cloud(EC2,S3,IAM), Load Balancer, Cloud watch Microsoft Azure
Software Quality Assurance: Automation Testing, Manual Testing, Regression Testing, Integration Testing, UAT, Performance Testing, Selenium, JIRA, Postman, Jenkins, Unit Testing, Bug Tracking, Code Review.
Software Development Processes: Agile Methodologies, Iterative Development, Continuous Delivery
Embedded Systems: Linux, RTOS, Android Development

Experience

Associate Software Engineer | Infor, India, Hyderabad **August 2022 – August 2023**
- Conducted root cause analysis on recurring OS issues, leading to the identification of key system vulnerabilities; proposed enhancements that have since decreased system downtime by 25%, enhancing user satisfaction.
- Managed and maintained servers for testing new Infor OS releases, ensuring smooth deployment processes and reducing deployment errors by 25%.
- Deployed AWS EC2 instances for testing and production environments, optimizing resource utilization and ensuring high availability for Infor OS.
- Collaborated with cross-functional teams to resolve production issues, enhancing system reliability by 30% and minimizing downtime by 20%.

Software Engineer Trainee/Intern | Infor, Hyderabad **March 2022 – August 2022**
- Led Java and Python development initiatives for Infor OS, introducing innovative features that enhanced product capabilities by 25%.
- Streamlined data center operations by implementing automation scripts in Python and JavaScript, improving system monitoring and management efficiency by 30%.
- Engaged in network monitoring and troubleshooting, using tools like Jenkins and Ansible to streamline updates and maintain system integrity across geographically distributed teams.
- This strategic approach reduced network downtime by 25% and increased update deployment efficiency by 50%, ensuring robust network performance.

Projects

VITAVISUALS | *Python, Flask, OCR, NLP,DL*
- Developed a healthcare solution to simplify doctor-patient interactions with medical documents using AI, improving communication efficiency by 30%.
- Implemented Optical Character Recognition (OCR) to digitize and summarize complex medical reports, enhancing patient understanding by 40%.
- Created a chatbot leveraging deep learning and NLP to translate medical jargon into simple, understandable summaries for patients, reducing response time by 50%.
- Integrated advanced visualizations to assist doctors in diagnosing patients more quickly, accelerating diagnosis time by 20%.
- Managed the deployment and ongoing maintenance of the system, ensuring scalability and reliability, with a 99.9% uptime.

Multiplex Chain Application | *Mongo DB , React JS , Java*
- Orchestrated the development of JSON-based REST APIs, streamlining communication and minimizing errors by 20%.
- Implemented robust deployment strategies on AWS using CI/CD pipelines, improving scalability and response times.
- Deployed backend on AWS for a scalable and reliable infrastructure, with an emphasis on efficient Ethernet connectivity and robust network integration, improving response times by 20%.
- Coordinated with cross-functional teams to synchronize frontend and backend integration, improving system performance by 18% and enhancing user experience.