Vasu Grover

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Summary

I graduated with a B.Tech in Computer Science & Engineering from SRM IST in 2023 and currently work at Bosch Global Software Technologies (BGSW) as an Associate Software Engineer. My role focuses on enhancing CI/CD pipelines to improve deployment efficiency. Committed to lifelong learning, I regularly engage with the latest tech news and enjoy experimenting with new and interesting programming projects. I am always eager to tackle challenges and turn innovative ideas into real-world solutions.

Work Experience

Bosch Global Software Technlogies (BGSW) | Coimbatore, Tamil Nadu
Associate Software Engineer | 07/2023 - Present
- Cut original 60-minute execution time to 40 minutes for customer releases and 30 minutes for local releases by redesigning and optimizing the release pipeline using Jenkins.
- Achieved 33% and 50% improvements in execution times for customer and local releases, respectively.
- Boosted operational agility by 30%, facilitating faster adaptability and maintenance through pipeline redesign and variable adjustments.
- Reduced the handover time to the Verification and Validation (V&V) team from four days to three, significantly enhancing the speed of the validation process and supporting faster project completions.
- Automated various processes using Python, Bash, and PowerShell scripting to improve efficiency and reduce manual effort.
- Authored and maintained comprehensive deployment documentation in Confluence, streamlining the onboarding process for new team members and reducing onboarding time by 48 hours (about 2 days).
- Received training in Java Full Stack, gaining proficiency in Java, Angular, Spring Boot, and JDBC.

Skills

- **Programming Languages:** Python, PHP, C++, Java (Basics)
- **Database:** MySQL, MariaDB, MongoDB, SQLite
- **Frameworks & Architecture:** Spring MVC, Spring Boot, Laravel, CodeIgniter, Angular, React
- **CI/CD Tools:** Docker, Kubernetes, Jenkins, Terraform, NGINX, Apache
- **Cloud:** AWS, Azure (Basic)
- **Operating System:** Linux (Debian & RHEL), Windows
- **Misc:** Git, Shell scripting, Groovy, JavaScript, Typescript, Tailwind CSS, Jira, Confluence, JFrog Artifactory, PowerShell, Conan, FastAPI, Redis

Education

SRM Institute of Science & Technology (SRM IST)
B.Tech Computer Science & Engineering (CSE) | 2019-2023 | CGPA – 8.97

Academic Projects

Cyberbullying Detection (MINOR)
- Enhanced the accuracy of an SVM-based machine learning model to 93.3%, achieving a significant breakthrough in detecting cyberbullying instances and advancing predictive analytics capabilities.
- Developed an API in Python for rapid cyberbullying detection, facilitating seamless integration into text-based platforms and supporting real-time responses.
- Spearheaded the project's documentation and version control on GitHub, facilitating future enhancements. P2P Content

Delivery Network (CDN) (MAJOR)
- Designed a P2P CDN system that lowered server load and bandwidth costs, leveraging user geographic proximity for efficient content distribution, and enhancing user experience.
- Utilized IP-based swarm allocation to enhance content delivery speed and performance, ensuring minimal impact on user experience.
- Directed the system's design and implementation, leveraging a stack of modern web technologies to ensure scalability and security.