SANJAY DUWAL

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SKILLS

- Programming Languages: Python, Java, PHP, JavaScript
- Web Technologies: HTML5, CSS, NodeJS, jQuery, React, Redux Bootstrap
- Database Technologies: MS SQL, Oracle
- Frameworks & Tools: Spring Boot, Kotlin, REST, SOAP
- DevOps & CI/CD: GIT, Jenkins, Maven, Docker
- Testing & Debugging: Junit, Manual Testing, Unit Testing, TDD
- Operating Systems: Unix, Windows
- Other Technologies: Shell Scripting, XML, JSON, Visual Studio

EXPERIENCE

Full Stack Software Engineer *Aug 2021 – Jan 2024*
John Deere, Johnston, IA

- Spent 30% of my time collaborating with the team, analyzing requirements, and delivering high-quality code. Defined Agile methodologies, fostering effective communication for cohesive remote work.
- Managed rotational on-call support, ensuring 24/7 availability for high-priority incidents. Resolved Service Now issues and documented processes for incident handling and improving incident resolution time from 20% to 80% for future incidents.
- Demonstrated initiative and expertise by spearheading project to migrate the API gateway to APIM Azure, showcasing leadership and proficiency in integration and migration processes. Assessed security enhancements and increased data processing speed by 30%, securing a seamless transition for the company.
- Cooperated to upgrade frontend dependencies, transitioning from Node v13 to v18, updating Webpack, and integrating latest dependencies. Decreased project's build time by 40% to 60%, enhancing performance and reliability.
- Developed responsive UIs with React, employing CSS Grid, Flexbox, media queries, and component-based architecture to ensure optimal user experiences across diverse devices and screen sizes.
- Developed Java solutions using TDD methodology, leveraging Jenkins, Git, Gradle, and Maven for CI/CD pipeline to achieve 40% faster software release cycles.
- Led the creation of scalable Microservices with Spring framework, revolutionizing front-end architecture and system performance, resulting in a 25% increase in user satisfaction scores.
- Partook in weekly individual development sessions with the team to address highlighted issues and increase efficiency, resulting in a 100% increase in skill sets across the team.

Software Engineer *Feb 2020 – Jul 2021*
OATI, Minneapolis, MN

- Participated in agile methodology and participating in standup meetings within the team. Rendered progress updates, posed questions, and received feedback from the Project Manager and colleagues to ensure effective collaboration and project alignment.
- Involved in user story-based requirements, working on implementing changes and thoroughly testing them according to the prepared test cases, ensuring robust functionality and meeting project specifications.
- Developed an advanced Energy Grid Optimization System, enhancing energy distribution efficiency. Executed comprehensive test cases, worked together with QA teams, and provided ongoing support, ensuring a robust and reliable product.

- Team up within a sprint, leveraging Git, to meet project deadlines, ensuring completion before the bi-weekly deployment cycle. Emphasized efficiency, timely delivery, and effective version control.

EDUCATION

Bachelor of Science, Information Technology   ***Jan 2016 – Dec 2019***
Minnesota State University, Mankato, MN
Majoring in Software Engineering with a minor in Technical Communication. Dean's List for 6 semesters, recipient of multiple scholarships, reflecting dedication, excellence, and interdisciplinary skills.