

Tanishq Jain

DevOps Engineer

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EXPERIENCE

Associate Software Engineer

BOSCH Global Software Technologies

Jul. 2023 - Present

Bangalore, India

DevOps Engineer

- * Architected and maintained CI/CD pipelines, automating testing, building, and deployment processes, which slashed deployment time by 60% and improved application availability by 20%.
- * Engineered a custom Jenkins Plugin tailored to streamline internal processes for the community, resulting in a 40% reduction in build times and a 25% increase in deployment accuracy.
- * Spearheaded the implementation and management of Docker containerization, leading to a 30% increase in application scalability and reducing deployment time by 50%.
- * Led the implementation of auto-scaling in Kubernetes, resulting in a 60% reduction in manual intervention, increasing system responsiveness during peak loads, and saving 20 hours per week in operational tasks.
- * Designed and Authored automation scripts in Python and Shell, enhancing daily operations by saving 20 hours weekly and elevating task completion rates by 35%.

Full Stack

- * Brainstormed an accessible “docs-as-code” framework with **DocHub** aimed at simplifying document processes, allowing teams to focus on core activities by decreasing manual effort by 40 hours monthly.
- * Developed an automated visualization tool integrating **Sphinx** with **Graphviz** and **PlantUML** that generated complex UML diagrams effortlessly, enhanced the quality of technical documentation while saving team members 15 hours monthly on visual tasks.
- * Created a CI/CD-driven documentation solution, integrating Source Code Management (SCM) tools such as GitHub, GitLab, and Azure DevOps, ensuring that documentation stays in sync with software releases.
- * Deployed an innovative, secure role-based access control (RBAC) strategy on cloud infrastructure which facilitated controlled visibility into project documents across departments with zero data breaches reported.
- * Implemented a fully automated CI/CD pipeline that transformed rst files into HTML utilizing Sphinx, resulting in seamless documentation publishing and reducing time spent on manual formatting by over 15 hours weekly.

Google Summer of Code

Jun. 2022 - Sept 2022

PEcAn Projects

- Selected as a Google Summer of Code (GSoC) student for the PEcAn project in 2022, contributing to the integration of packages into CRAN (Comprehensive R Archive Network).
- Directed the refactoring of 10+ R packages, ensuring compliance with CRAN guidelines and enhancing code quality and maintainability by 30%.
- Engineered critical functions in R to eliminate non-CRAN dependencies, optimizing code performance and reducing software maintenance overhead by 40%.
- Optimized the download process for users by enhancing accessibility to PEcAn packages, simplified installation through 'install.packages()' command, resulting in 40% faster download speeds on personal machines.

PROJECTS

Virtual Dressing Room | *Python, Git, AIML, OpenCV, GAN*

Jun. 2022 - Mar. 2023

- Developed an innovative virtual dressing room application that enabled users to try on clothing in a 3D environment by uploading personal garments.

Attendance System using Java | *Java, Git, XML*

Jan. 2022 - Jun. 2022

- Architected an intuitive Admin Module with features for adding, viewing, and managing students, faculty, and teachers.

EDUCATION

Bangalore Institute of Technology

Computer Science and Engineering, Bachelors in Engineering (B.E.)

Bangalore, India

Mar. 2019 - Apr. 2023

TECHNICAL SKILLS

Languages: Python, R, Java, Go, SQL, JavaScript

Frameworks: ReactJS, Selenium, JUnit, TestNG

Developer Tools: Git, Docker, Kubernetes, Maven, Jenkins, Terraform, Azure, AWS