Industry Data Science

Location USA

VALUEADD SOFTTECH & SYSTEMS PVT. LTD.

Objective

Support and enhance client DevOps across teams with standardized tools, Windows Docker virtualization, and a DevOps culture for efficiency and innovation in gas analyzer development.

CASE STUDY

Scope

- Standardize the use of DevOps tools across different client teams.
- Implement Windows Docker virtualization for various Windows flavors used in Zero
- Reference Modules for isotope instruments in gas analyzers.
- Cultivate a DevOps culture among teams that traditionally did not use DevOps tools.

Value Added

- Introduced DevOps practices, boosting collaboration, accelerating development, and improving project agility.
- Standardized DevOps tools like Jenkins, Docker, and Python3 for consistent and efficient outcomes.
- Employed Windows Docker for gas analyzer virtualization, enhancing testing and deployment.
- Transitioned from TeamCity to Jenkins, optimizing CI/CD pipelines for faster turnaround and resource management.

Solution

- Introduced and nurtured a DevOps culture across multiple teams, ensuring an understanding and adoption of DevOps methodologies and practices.
- Completed various DevOps assignments, including the migration of jobs from TeamCity to Jenkins, which streamlined CI/CD processes and improved deployment efficiencies.
- Implemented Windows Docker containerization for the Zero Reference Module, enhancing the portability and scalability of applications used in gas analyzers.

Frameworks & Tools

Jenkins

python™

docker Compose

BASH THE BOURNE-AGAIN SHELL

docker