



CASE STUDY



Efficiency Boost: DevOps Transformation for POS Software

Here is how a POS software provider modernized DevOps, improving development and deployment efficiency.

IMPACT

- Efficiency Gains
- Security Enhancement
- Code Quality Improvement
- Streamlined Workflows
- Optimal Resource Utilization



If you are looking to boost your competitive advantage by modernizing your DevOps practices, you can reach out to me at: manmohan.jain@zensark.com

Happy to understand your challenge and provide a solution.

MANMOHAN JAIN
CEO, Zensark

CHALLENGES

- **Manual Processes:** DevOps inefficiencies due to manual procedures, causing time wastage & potential deployment errors.
- **Access & Authentication:** Managing access control in the CI/CD setup was complex & posed security risks.
- **Code Quality:** Maintaining high code quality across projects proved challenging, affecting software reliability.
- **Pipeline Management:** Project pipeline management lacked efficiency & needed streamlining.
- **Toolset Integration:** Using diverse tools like GitHub, AWS, & CodeDeploy introduced workflow complexities.

SOLUTION

- Implemented centralized version control using GitHub, utilizing branches for development, testing, & production releases.
- Integrated AWS services like CodePipeline & CodeDeploy to automate deployment triggered by code commits.
- Configured IAM roles & policies to manage access & permissions for Code Commit & Code Pipeline.
- Configured secure EC2 instances to host applications, ensuring safe access & automated deployments.
- Leveraged RDS for MySQL database creation, management, instance settings, connectivity, & backups.
- Introduced 'appspec.yml' to specify consistent deployment behavior.
- Granted precise MySQL user permissions to MySQL users for controlled database access.
- Incorporated Git commands (clone, pull, commit, push, checkout) into the daily workflow for code updates and version control.
- Provided guidelines for cautious reversion to previous commits, emphasizing preservation of commit history.