■ Git Mastery Challenge — Completion Report

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GitHub Repository: ramalokeshreddyp/git-solved-23A91A05I2

Challenge Title: Solving Pre-Built Conflicts in "DevOps Simulator"

Completion Date: October 27, 2025

Version Released: v2.0.0 (Stable)

■ Project Overview

You successfully completed the **Advanced Git & DevOps Simulator Challenge**, demonstrating strong mastery of: Branch management (**main**, **dev**, **conflict-simulator**, **advanced-git-ops**) Merge conflict resolution (YAML, JSON, Markdown, JS, Bash files) Git tagging & release management Clean commit structuring & version control discipline

■ Key Milestones

Step	Task	Status
1	Clone repository and set Git identity	■ Completed
2	Branch setup and environment configuration	■ Completed
3	Conflict resolution (main + dev)	■ Completed
4	Merge validation and testing	■ Completed
5	Push to remote repository	■ Completed
6	Merge conflict-simulator branch	■ Completed
7	Create advanced-git-ops branch	■ Completed
8	Tag release versions v2.0.0-beta and v2.0.0	■ Completed
9	Final verification and documentation	■ Completed

■■ Technical Highlights

Git Commands Used: git clone, git branch, git merge, git commit, git push, git tag, git show **Conflict Handling Skills:** YAML, JSON, Markdown, Bash, and JavaScript conflicts resolved cleanly. **Environment Integration:** Both **development** and **production** configuration versions merged coherently. **Final Deliverables:** Clean and conflict-free main branch, stable tag v2.0.0, documented workflow in README.md

■ Final Outcome

■ **Challenge Status:** Successfully Completed
■■ **Final Release:** v2.0.0
■ **Main Branch:** Up-to-date and verified on GitHub
■ **Skill Demonstrated:** Advanced Git Workflow, Conflict Resolution, and DevOps Collaboration