



INSIGHTS | CASE STUDY



INFRASTRUCTURE

Modernizing DevOps to Support Scalable Growth

WEI Guided an Established Financial Services Organization to Eliminate Technical Debt and Accelerate Software Delivery

● **SUMMARY:** An established financial services organization needed to modernize its DevOps environment to support increasing development demands and ongoing digital initiatives. Its existing CI platform had reached end-of-life, and its Infrastructure as Code (IaC) framework lacked the flexibility and long-term support required to scale. WEI partnered with the organization to redesign its DevOps foundation, establishing a consistent infrastructure model, modernizing CI/CD pipelines, and embedding governance and security directly into development workflows. The result was a more consistent, scalable approach to software delivery built for long-term growth.

● **CHALLENGE:** As development requirements expanded, the organization's DevOps environment began to show its limitations. The existing CI platform had reached end-of-life, making it difficult to maintain and evolve pipelines. At the same time, the IaC framework lacked ongoing support, introducing risk around long-term sustainability and limiting the ability to scale infrastructure consistently.

To keep projects moving, teams began building around these constraints. Scripts became fragmented, deployment processes varied by team, and consistency across environments broke down. What started as short-term fixes gradually introduced technical debt that slowed development and increased operational overhead.

The lack of a shared framework also created silos between teams. Knowledge and workflows were distributed, making it harder to standardize processes, enforce governance, and support new deployments efficiently.

The environment wasn't failing, but it wasn't built to support what came next.

● **SOLUTION:** WEI began the engagement with a focused assessment of the organization's existing CI pipelines and IaC environment, identifying where areas of manual effort were present.

The transformation started with IaC standardization. WEI migrated legacy CloudFormation scripts to Terraform, creating a more flexible and maintainable framework for managing infrastructure. This shift simplified environment provisioning and established a consistent approach across teams.

With a stronger foundation in place, WEI modernized the organization's CI/CD pipelines using GitLab CI. By introducing configuration-as-code and restructuring pipelines around a clearly defined pathway to production, WEI optimized development workflows. Pipelines became easier to manage, more transparent, and better aligned with modern DevOps practices.

As part of this transformation, WEI embedded governance directly into the development lifecycle. Code auditing, approval workflows, and standardized controls were introduced to improve oversight and ensure consistency across environments. Security capabilities such as automated scanning were integrated into pipelines as a natural extension of this modernization.

WEI also focused on improving the overall developer and operator experience. By consolidating scripts, introducing artifact versioning, and leveraging built-in collaboration and access controls, WEI helped create a more unified and efficient DevOps environment. These changes reduced operational overhead while enabling teams to work more effectively within a shared framework.

“By modernizing CI pipelines and infrastructure as code, we eliminated technical debt and created a scalable, maintainable foundation for future development.”

— Dan Perrinez, WEI Solutions Architect

● **OUTCOMES:** Technical debt was significantly reduced. CI/CD pipelines now support faster, more consistent releases, enabling teams to deploy updates with greater confidence and less manual intervention.

Standardized tools and processes have improved alignment across development and operations teams, reducing friction and streamlining collaboration. At the same time, governance and security are now embedded within workflows, providing visibility and control without slowing delivery.

Key outcomes include:

- Reduced technical debt by over 50%, improving system maintainability
- Faster and more consistent software releases through scalable CI/CD pipelines
- Improved cross-team collaboration with standardized tools and workflows
- Greater visibility and control with embedded governance and security

Talk to WEI today

To learn how WEI can help modernize your DevOps environment and accelerate software delivery, contact us for a consultation.