

A white sedan car is shown from a rear three-quarter view, parked in a showroom. The car is the central focus of the upper half of the image. The background is dark, and the car's taillight and rear wheel are clearly visible.

HOW BRQ HELPED A FORTUNE 100 ENTERPRISE IMPLEMENT DEVOPS & CI/CD PIPELINES

Client profile



A software development division within a Fortune 100 conglomerate that provides applications to automotive dealerships throughout North America

The client has an unparalleled reputation for anticipating the needs of the automotive industry and developing innovative solutions that provide a better buying, borrowing, and service experience.



When the client set out to accelerate their software development processes with an automated DevOps practice featuring Continuous Integration & Continuous Delivery (CI/CD) pipelines, they turned to the experts at BRQ for guidance and support.

Deliverables

Engineering & Architecture

-  Implemented Agile methodology
-  Built DevOps & CI/CD pipelines

Cloud Computing

-  Automated key systems using AWS
-  Implemented scalable resources for testing and development

Challenges

-  Change from traditional development methodologies to DevOps-oriented.
-  Implement a variety of software solutions that would enhance visibility into resource utilization and allow managers to prioritize tasks for a variety of simultaneous projects.
-  New processes needed to be formulated and put in place to promote a cultural shift within the organization.
-  The changes had to be implemented without compromising existing development timelines.

Solutions

- **Docker:** Improved delivery times, testability, and cohesion of packaged software.
- **Terraform:** Ensured that provisioned infrastructure was deterministic.
- **Ansible:** Configured provisioned resources in a reproducible way.
- **SonarQube/Coverity:** Recognized tools to measure code quality.
- **Amazon Web Services (AWS):** Made it possible to scale resources according to current demands.
- **Cloud Custodian/Tenable:** Enabled security proof cloud resources.
- **Jenkins/CircleCI/CodeBuild:** Facilitated a scalable, continuous integration pipeline.
- **Octopus/CodeDeploy/Jenkins:** Supported an accessible, continuous development pipeline.

Results

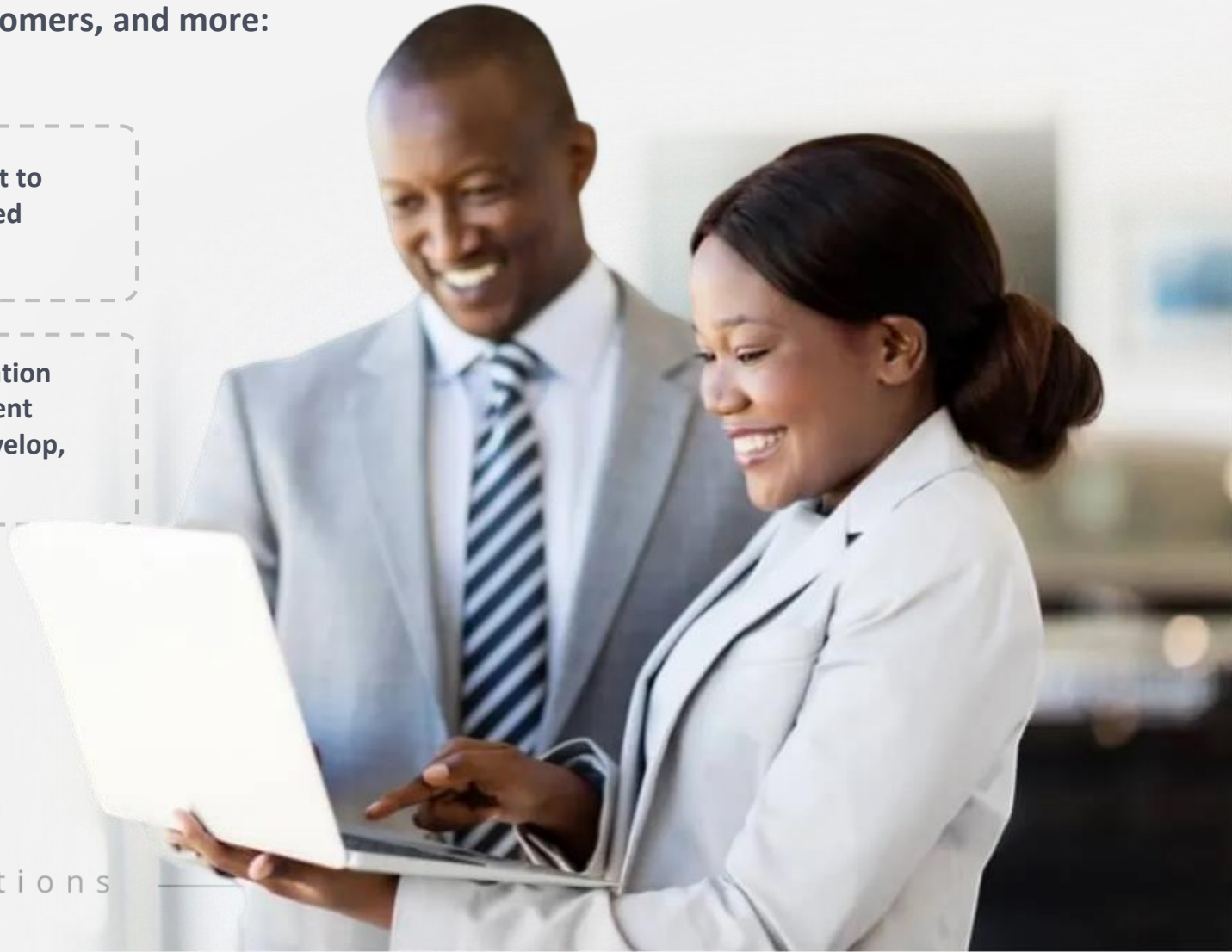
BRQ engineered the infrastructure, software, and processes necessary to support a robust CI/CD pipeline that allowed the client to transform the way it developed, tested, and managed its software solutions for customers, and more:



This new environment made it possible for the client to transition its tech stack to the cloud, where it realized even greater efficiency gains and cost reductions.



The new DevOps environment incorporated automation wherever possible to enable streamlined development lifecycles that allowed the client's developers to develop, test, and deploy new software features rapidly.





ARE YOU LOOKING TO
IMPLEMENT A **MODERN**
DEVOPS ENVIRONMENT?

TALK TO ONE OF OUR SPECIALISTS