

CASE STUDY

# Maximizing ROI: Multi-Cloud and K8s Optimization

“

Thanks to Control Plane, we've mastered multi-cloud management, fine-tuned Kubernetes efficiency, and saved substantially on costs.”

Jay Eberhard, Senior Platform Engineer, Outrider



## INSTITUTION

Outrider

## LOCATION

USA

## INDUSTRY

Software Development,  
Autonomous Vehicles,  
Artificial Intelligence (AI)

## INSTITUTION SNAPSHOT

Outrider, the pioneer in autonomous yard operations for logistics hubs, helps large enterprises improve safety and increase efficiency. The only company exclusively focused on automating all aspects of yard operations, Outrider eliminates manual tasks that are hazardous and repetitive. Outrider's mission is to drive the rapid adoption of sustainable freight transportation by deploying zero-emission systems. Outrider is a private company backed by NEA, 8VC, Koch Disruptive Technologies, and other top-tier investors.

## CHALLENGES LEADING TO CONTROL PLANE EXPLORATION:

Outrider sought Control Plane due to multiple challenges. They needed seamless multi-cloud operations, lacking in AWS and Azure. Also, managing Kubernetes efficiently with a small team was a hurdle. They sought a streamlined solution without excessive overhead.



## KEY DETAILS

- ✓ Unified Multi-Cloud Management
- ✓ Streamlined Kubernetes Operations
- ✓ Cost Optimization
- ✓ 24/7 Technical Support



PROBLEM

## A Need for Multi-Cloud and K8s Management

One of Outrider's primary hurdles was the need to operate across multiple cloud providers seamlessly. As a startup, Outrider sought flexibility in choosing cloud environments but struggled with the complexity and lack of interoperability among different platforms. This challenge hindered their ability to adapt quickly to changing business requirements and constrained their innovation potential.

Moreover, managing Kubernetes infrastructure posed a considerable obstacle for Outrider, especially with a small team. The intricacies of Kubernetes management required significant time and resources, diverting attention away from core development tasks. Outrider recognized the urgent need for a solution that could streamline their Kubernetes operations, reduce complexity, and enable their team to focus on innovation rather than infrastructure management.

In addition to multi-cloud and Kubernetes challenges, Outrider faced issues with excessive cloud spending. With limited visibility and control over resource usage, they struggled to optimize costs effectively while maintaining performance and scalability. The lack of cost optimization tools and strategies further exacerbated their financial challenges, inhibiting their ability to allocate resources efficiently and invest in growth initiatives.

Furthermore, Outrider's small team lacked the resources to address implementation challenges and ongoing support needs adequately. They needed a solution provider that could offer comprehensive support and guidance throughout the integration process and beyond. Without dedicated assistance, Outrider risked encountering roadblocks that could delay their time-to-market and hinder their competitive edge in the fast-paced autonomous vehicle industry.

**JAY EBERHARD, SENIOR PLATFORM ENGINEER**



“  
We faced complexities managing multiple cloud environments and Kubernetes with a small team.”

# Cost-Effective Multi-Cloud Mastery

## Unified Multi-Cloud Management:

Control Plane provided Outrider with the capability to seamlessly manage operations across multiple cloud providers, addressing the need for flexibility without vendor lock-in. This feature allowed Outrider to deploy and scale their autonomous vehicle infrastructure across various cloud environments, ensuring adaptability and resilience.

## Streamlined Kubernetes Operations:

With a small team and limited resources, Outrider faced challenges in efficiently managing Kubernetes infrastructure. Control Plane offered a solution that simplified Kubernetes management, enabling Outrider to focus on core development tasks rather than infrastructure overhead. This streamlined approach enhanced productivity and accelerated time-to-market for Outrider's innovative solutions.

**Cost Optimization:** Excessive cloud spending was a significant concern for Outrider, impacting their financial sustainability and resource allocation. Control Plane provided comprehensive visibility and control over cloud spending, allowing Outrider to optimize costs effectively while maintaining performance and scalability. This cost optimization feature enabled Outrider to allocate resources efficiently and invest in growth initiatives.

**Dedicated Support:** Outrider's small team lacked the resources to address implementation challenges and ongoing support needs adequately. Control Plane offered dedicated support throughout the integration process and beyond, ensuring a smooth rollout and ongoing guidance. This level of support empowered Outrider to navigate operational challenges with confidence and efficiency, enhancing their competitive edge in the autonomous vehicle industry.

"Control Plane simplified our operations, offering seamless multi-cloud management and streamlined Kubernetes operations."



Jay Eberhard, Senior Platform Engineer

## Summary

By leveraging Control Plane's tailored solutions, Outrider was able to overcome operational hurdles, achieve efficiency gains, and drive growth in the competitive autonomous vehicle industry. With unified multi-cloud management, streamlined Kubernetes operations, cost optimization, and dedicated support, Control Plane provided Outrider with the tools and support needed to succeed in their journey toward innovation and scalability.

### About Control Plane

Control Plane is an Internal Developer Platform (IDP) delivering instant cloud-native maturity without extensive time and financial investment.

[www.controlplane.com](http://www.controlplane.com)



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