

WHY EVERY DEVELOPER SHOULD THINK DEVOPS

As the infrastructure that products run on becomes increasingly commoditised so too do the skills required to deploy and change infrastructure in production environments. Organisations have been fostering a 'DevOps' culture empowering developers to manage CI/CD pipelines and own the deployment process.

As developers become increasingly aware of the infrastructure their code runs on they are able to make smart optimisations and changes to both the code and where it is run to provide better experiences for customers, whilst minimising cost and increasing performance. This post outlines why in a cloud environment like AWS developers who employ a 'DevOps' culture build better products for their customers and organisations.

[FIND OUT MORE HERE](#)

WHERE YOUR CODE RUNS IS IMPORTANT

As a developer where your code runs is important. The performance requirements of workloads vary wildly depending on the user requirements. It is important for developers to be cognisant of where their code runs - and a DevOps culture within an organisation empowers developers to make choices on the best infrastructure platforms and managed services.

With the introduction of managed services like AWS Lambda - developers can quickly develop code and host it on AWS. To increase the velocity a developer can release code changes to production with supporting tools like AWS CodeBuild and AWS CloudFormation, these tools have a low barrier of entry, and empower development teams to own their own deployment process, this removes the dependency on third party release management teams that would typically manage such a process. This self-reliance helps fix problems quicker - ultimately resulting in a better product experience for customers.

As development teams become increasingly more self-sufficient by increasing their knowledge and usage of DevOps tooling they are able to make better, more informed choices about which services provided by a Cloud provider like AWS are most suitable for the workloads. A natural progression we often see from customers is moving from a fleet of EC2 machines to using a managed container service such as AWS Fargate, this reduces the operational overhead

for the team whilst also empowering the development team to make changes to the image and configuration to improve the performance of the workload for customers.

To go one step further a piece of the workload may be broken off and deployed into a AWS Lambda to reduce cost, all of this is possible as the development team has knowledge of the underlying services and can control where code is best deployed.

With a more mature DevOps culture taking hold in a team, a progression often presents itself where the team will suggest and implement new tools to improve security, code quality and performance, these tools are integrated quickly through the use of infrastructure as code and CI/CD pipelines, ultimately these tools help the team build more secure, more performant products for customers - whilst reducing the risk and operational footprint within their own organisations.

Cloud environments make infrastructure accessible to developers through DevOps tooling and as a result - development teams can build better products in a fast and safe way.

Every developer should be employing a 'DevOps' mentality, making careful choices of how their code runs on the underlying infrastructure and managing the release to production process end to end. By increasing their awareness in this area developers can make better choices, better optimisations and as a result build better products.