DevOps

What is DevOps?

In short, a well-executed DevOps strategy will enable an organisation to get more done. Continuous deployment of end-user features, with fewer faults overall ensure that customer satisfaction is front of mind and organisations gain a competitive edge.

The biggest shift in attitude in a DevOps environment is that there is one team composed of cross-functional team members taking on previously separate roles such as developers, test analyst, automation engineer, environments specialist or IT operator. Collaboration across these different roles delivers many benefits.

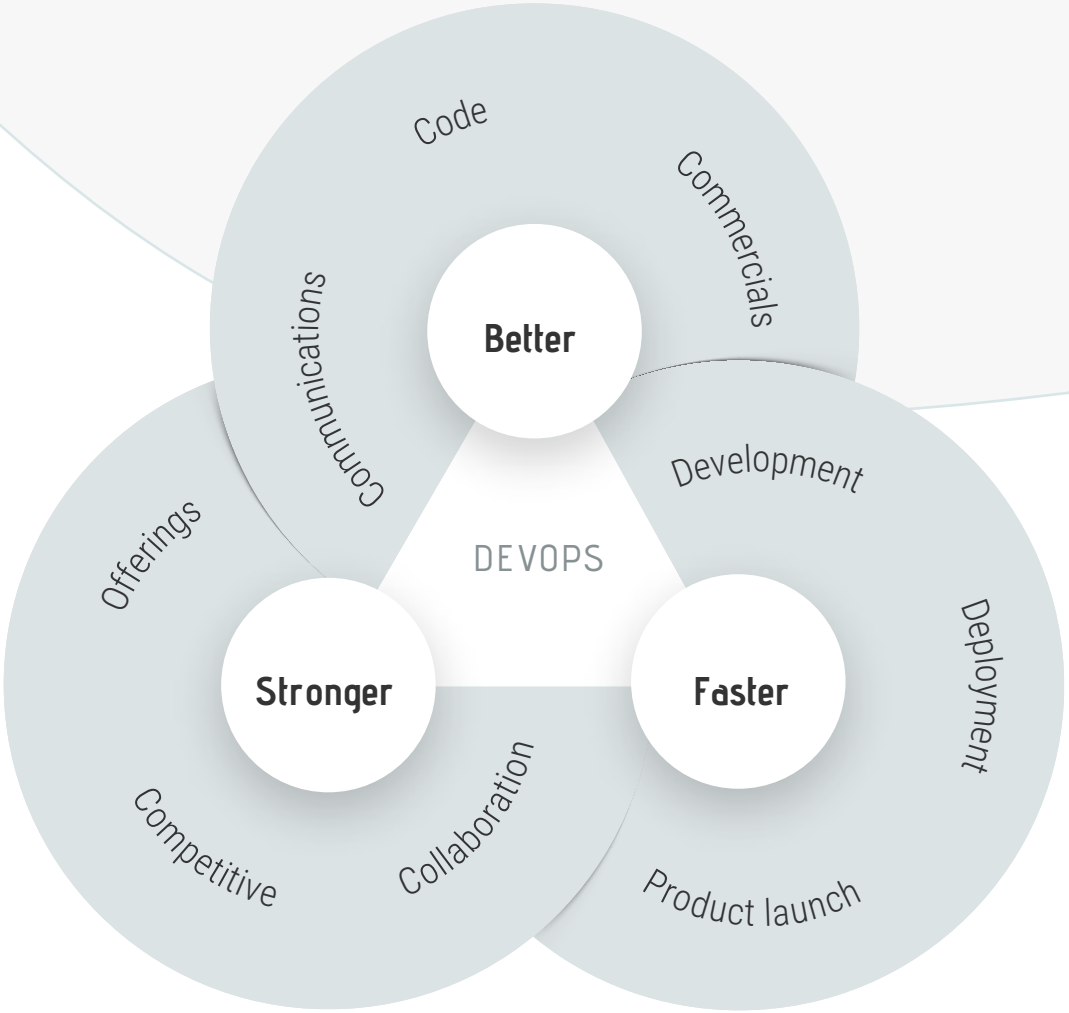
Assure a successful transition into the development and continual operation of a DevOps organization by analysing the current situation and defining the appropriate target organization. This analysis includes processes and roles to be achieved by improvement, coaching and DevOps service delivery.

The benefits of DevOps

DevOps is a philosophy that calls for cultural change, automation, collaboration and a less complex organisational structure.

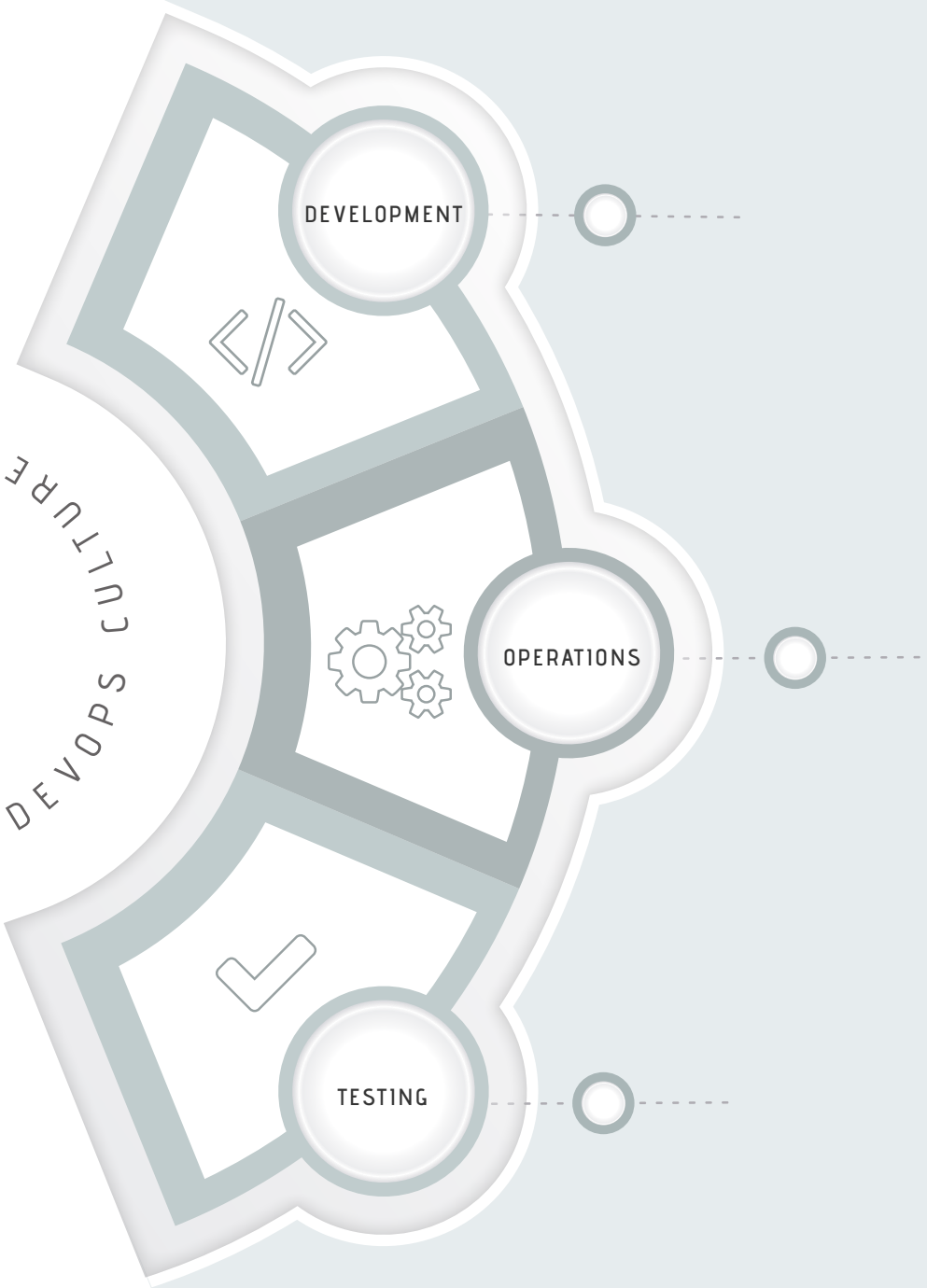
It addresses overall business and IT alignment; the people, process and tools, as well as the technology needed to secure this collaboration. DevOps allows stakeholders to stay synced up, helping to move to production faster.

DevOps offers FASTER software development and deployment with BETTER application quality and a reduction in costs for fixes and patches, ultimately, leading to a STRONGER competitive edge.



The DevOps Challenge

The pressures of rapidly changing markets and the increase in technological dependence across all industries are diving the need for organisations to reduce response times during software development to fulfil business requirements. Time-to-market demands for faster delivery, while competition from other vendors demands cheaper and better software at the same time. The DevOps approach promises to deliver on all three of these demands at the same time. DevOps is the concept of strongest collaboration between Business, Development and Operations throughout the complete software development life cycle (SDLC) typically in combination with Agile/Lean software development principles also integrating other methods like Behaviour Driven Development (BDD). While DevOps promises to deliver higher quality software it will not succeed without a strong focus on quality and expertise in applying measures to introduce and ensure this quality throughout a software product's life. Releasing poor quality software and inappropriate architectures can have a dramatic impact on the cost to maintain an application. This is especially true under tight time-tomarket conditions and when the speed and capability to deploy rapidly with low risk is essential. This is where SQS comes into the picture.



DevOps is, above all, a cultural change.

It's a movement that breaks down the walls between the Development and IT Operations teams.

Through better communication and a more open culture, it delivers faster product release and higher quality code using tooling techniques.

Companies that have embraced DevOps are bringing new products and services to market faster and in a way that improves application quality and reduces the costs associated with later applying fixes and patches.

Benefits

My clients deliver faster and with lower risk by implementing DevOps:

Time to Market

Reduce time to market by up to 50% through streamlined software delivery

Throughput

Increase team productivity and deliver new functionality faster

Risk

Early identificaton of quality concerns, reduction of defects across the lifecycle up to 30%

Resiliency

Operational state is more stable and secure and changes are systematically auditable

FASTER TIME TO MARKET

The ability to make frequent, predictable, low-risk releases to production makes IT departments more agile and decreases deployment times, often by more than 50 percent. Instead of waiting for a monthly or quarterly product release cycle, features can be made available in days rather than weeks or months.

INCREASED THROUGHPUT

By removing bottlenecks such as manual testing or environment setup from the software lifecycle, teams are more productive and can deliver new functionality faster. Using DevOps practices, IT is able to improve respose time to business needs.

LOWER RISK THROUGH AUTOMATED QUALITY

With frequent deployments, developers receive real-time feedback about quality and are able to respond immediately, enabling an environment of continuous learning. Early identification of quality concerns, reduces defects across the lifecycle up to 30 percent.

IMPROVED SECURITY WITH RESILIENCE

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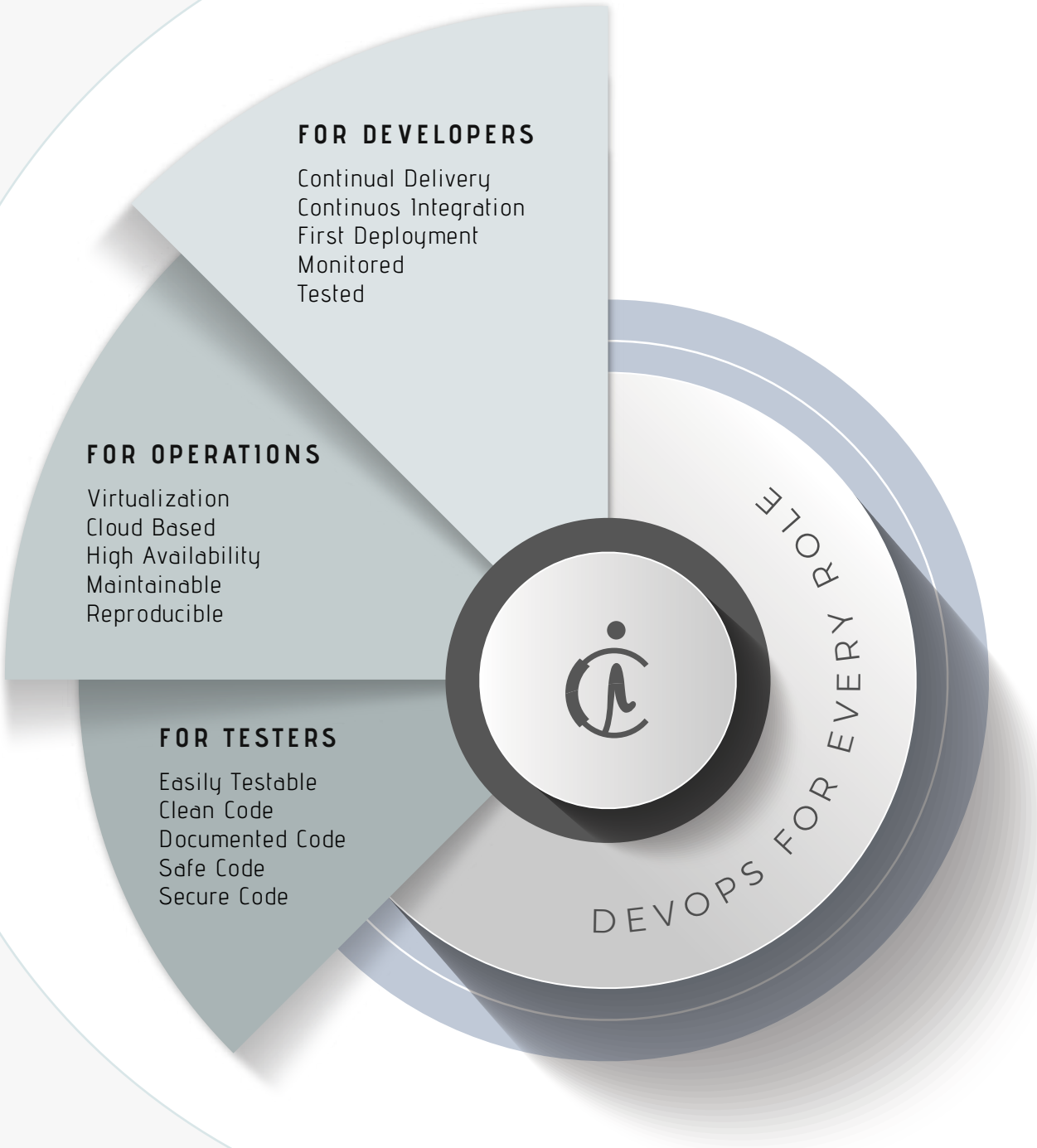
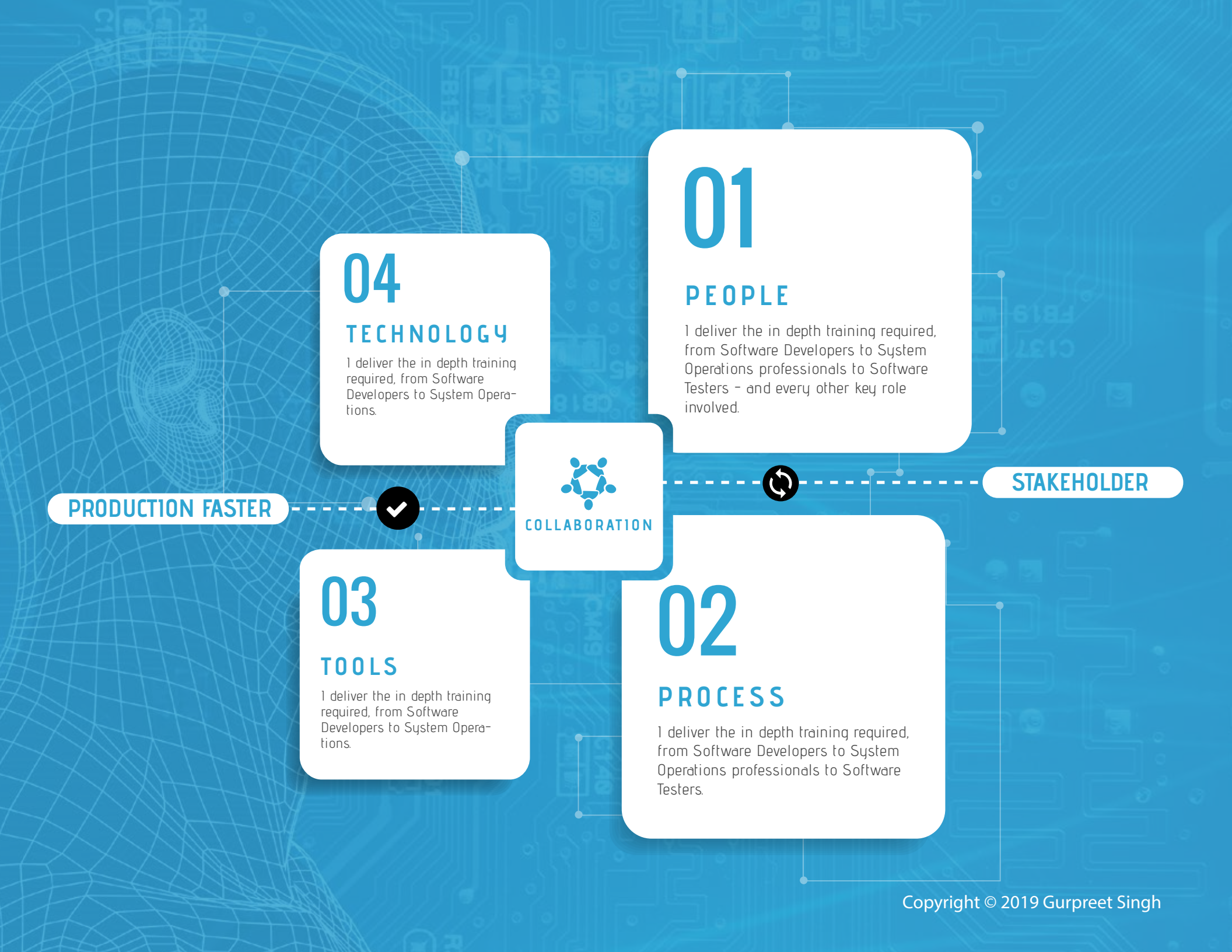
DevOps for every role

It takes a wide range of experts to develop and implement a world class application or website and they will all need to understand how to apply the latest techniques and best practice

I deliver the in depth training required, from Software Developers to System Operations professionals to Software Testers - and every other key role involved.





Tools

MICROSOFT COGNITIVE SERVICE

GOOGLE VISION API

MICROSOFT AZURE EDITOR

NETBEANS

XCODE

SELENIUM

JIRA

Server

aws

cPanel & WHM

DigitalOcean

Repository

Bitbucket

git

API

zoominfo.

Infusionsoft.

API

Payment Method

stripe

PayPal Payflow Pro

Authorize.Net

CCAvenue

GMO

PM Software

asana

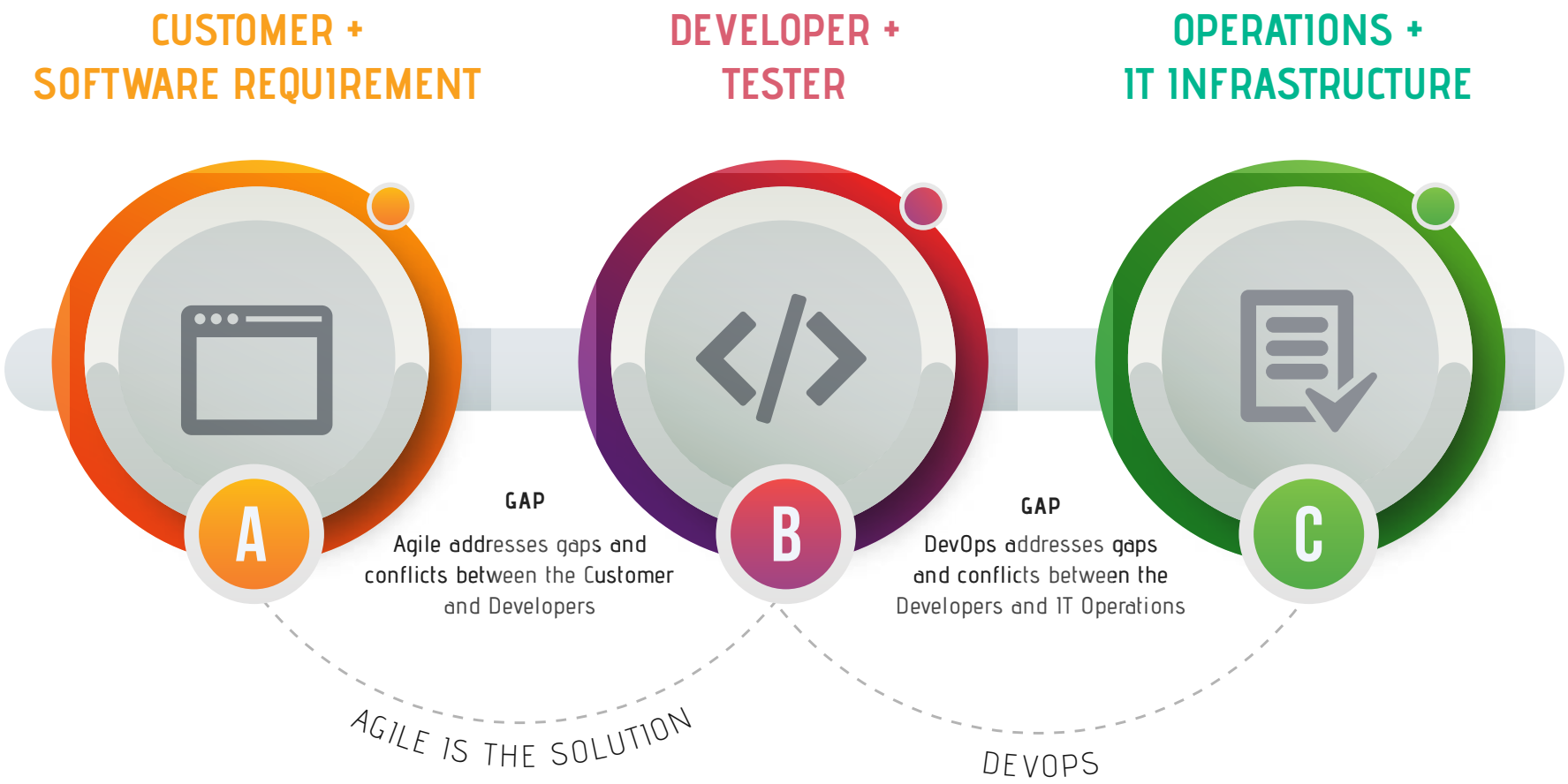
Basecamp

slack

Trello

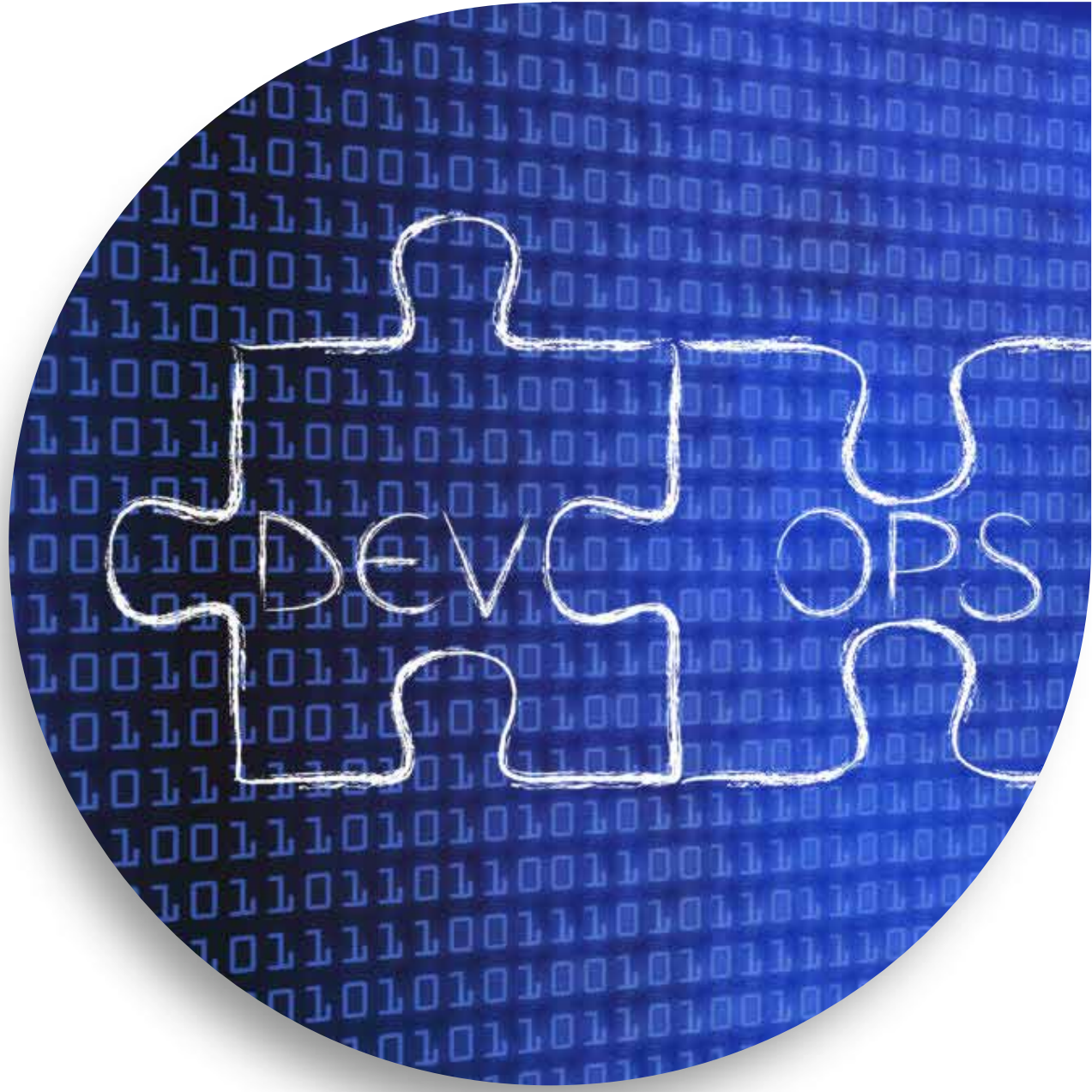
How is DevOps different from Agile methodology?

Agile is a software development methodology that focuses an iterative, incremental, small and rapid releases of software along with customer feedback.



I did this for them.

I can do it for you.



Find out more about how **DevOps** can improve your decision making by reach out to me at **dev.expert1 (Skype)**