



HOW AGILE DO YOU WANT IT?

Everyone wants Agile. Everyone wants microservices and application programming interface (API) integration. But the way you implement it can dictate your future.

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GETTING IN TOUCH WITH THE YOUTH

A major telecoms client was struggling with time to market. Keen to launch a new youth brand, it had a number of innovative value-added digital services it wanted to offer; but it was taking a long time to implement them. Launching a new brand meant a 12-15 month cycle, which was unacceptable.

The reason was that, whenever anyone wanted to launch a new product or feature, they had to work on both the back-end and the front-end and then integrate it with the front-end applications to make it work. This was so time-consuming and difficult that we were appointed to introduce a microservices layer in between, which would shorten development timescales.

We brought in The Infosys Platform for API and Microservices, but that was not the whole solution. The API/microservices route was clearly the right one, but we wanted to do more.

A READY-MADE SOLUTION

The big challenge was that this particular geographical division of our client was not ready for Agile development. However, we had a solution which was ready-made and perfect for the job in hand.

A while earlier, the same client (but in a different geography) had a similar issue, which led to us creating our DevOps platform — a toolset and framework that supports Agile delivery — which made API and microservices projects more effective. It was an environment that took Agile to the next level — and provided the perfect platform for the kind of rapid development that our client was looking for.

This was tried and tested. A leading analyst firm had recognised its use (in other geographies) and had declared it “well above industry standard”. Another business consulting firm thought it was one of the most forward-looking architectures in the industry. It came well recommended. We knew it would be perfect.

BREAKTHROUGH

**We brought in DevOps:
An environment that took Agile development to the next level.**

TIMESCALES SLASHED

Using Infosys Platform for APIs and Microservices on the DevOps platform, we were able to deliver the first proof of concept within six weeks; then the first product increment within four months. Every month thereafter, we put out a new release. In three months, we could release the new youth brand. Within six months, we moved them to Amazon Web Services (AWS), which was a seamless transition; since our platform was already cloud-native.

The client has also changed the way they view development: Our Agile implementation ensured that features can be added one by one, depending on the available budget, instead of needing to fund wholesale change.

The client was so impressed that they have implemented the use of DevOps globally: wherever in the world we partner them, they enjoy the reduced time to market that is possible with our API and microservices platform using Agile and DevOps as the mode of execution.

BREAKTHROUGH

We significantly reduced time-to-market for our client by using the Infosys platform for API and Microservices.

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THE SIX KEY ELEMENTS

REDUCING TIMELINES

Our API cloud native design helped us to move the client from an on-premise environment to the Amazon Web Services cloud within a week.

AGILE WAY OF WORKING

The team was enabled on Agile way of working, with key Agile practices being orchestrated using Confluence & JIRA.

ANALYZING THE VALUE STREAM

The end-to-end IT value chain was visualized and opportunities were identified to optimize cycle time and increase throughput.

VIRTUAL ENVIRONMENT PROVISIONING

Environments were provisioned on demand with a faster turnaround time by leveraging Amazon Web Services (AWS).

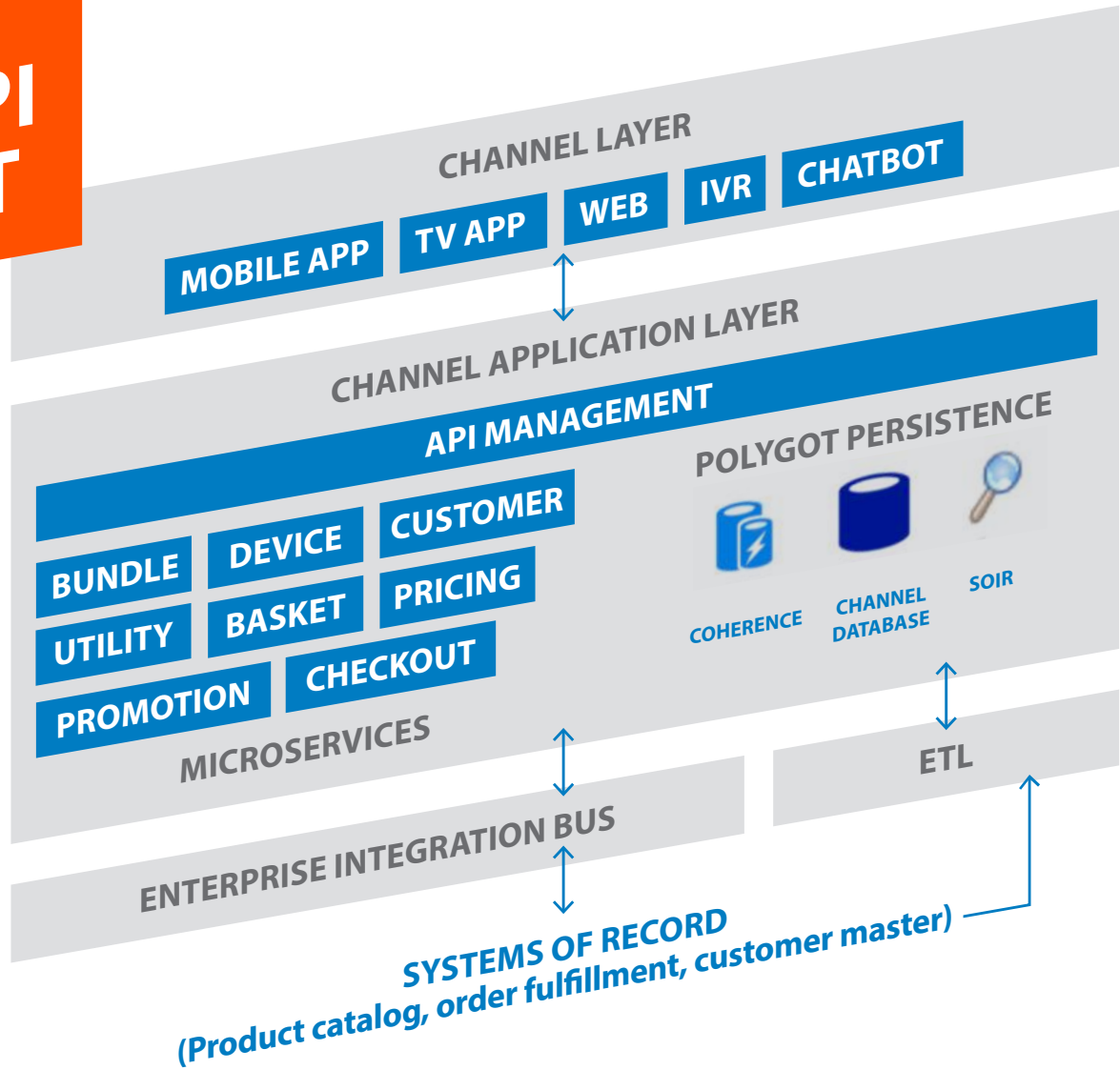
BUILDING CONTINUOUS INTEGRATION / CONTINUOUS DEPLOYMENT (CI/CD)

A fully automated build and deployment pipeline was created using Jenkins (Build), Stash (Version Control) and Nexus (Repository) with a dashboard providing visibility to all stakeholders.

AUTOMATION OF TESTING

Selenium was leveraged for test automation and integrated to Continuous Integration / Continuous Deployment (CI/CD) pipeline, thus improving test coverage and quality.

THE API EFFECT



HIGHLIGHTS

- Channel application layer as the common app layer for all channels
- Offloading of product, pricing, promotion and eligibility functionality
- Existing merchandising application extended to support all channels
- 'Fit for purpose' persistent options for lower latencies and higher resilience
- Independent Agile teams working on respective microservices, increasing agility
- Iterative development with clear focus on next Minimum Viable Product

**USING
APIs WE ACHIEVED**

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**PERCENT
REDUCTION IN
CYCLE TIME —
FROM IDEA TO
FEATURE RELEASE
TO PRODUCTION**



**Our API-first design has gone global:
Wherever we partner with a client, that's
what we use.**



**WE DID THIS FOR
THEM. WE CAN
DO IT FOR YOU.**

Find out more about what
DevOps can do for you.
Reach out to us at
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