BYTES | Smarter together

The Bytes AWS Development Journey:
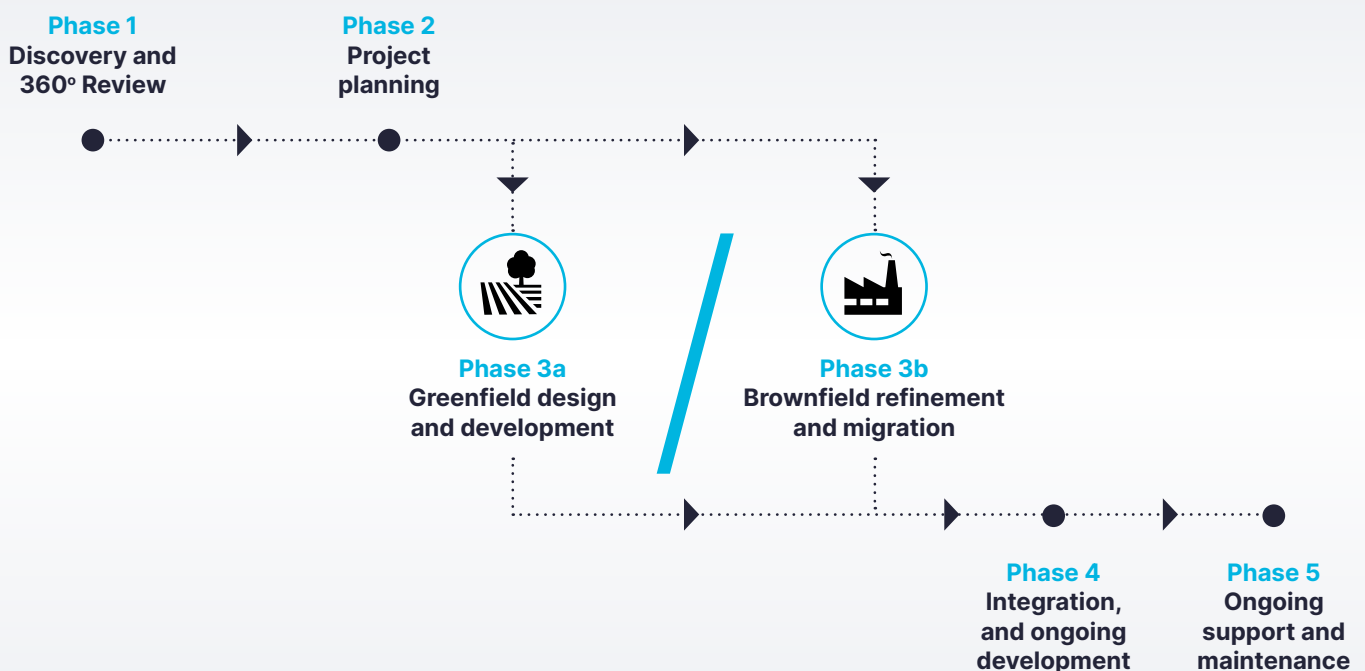## Two routes to singular success

Every customer wants a better-built application, one that adapts at scale, and moves from idea to market, faster – all while lowering costs.

Bytes customers contact us wanting to either **(a) bring a new idea to life** – the 'greenfield' approach, or **(b) scale and improve an application they already have**. We call that a 'brownfield' development.

Whether the task is to implement an idea – a mobile app, website, core system – or improve a current application, the result will be a code-driven solution that realises an aspiration and meets the business need.

We'll map out a carefully planned journey to ensure development progress meets aspirational delivery. Bytes' expertise – and AWS funding – can realise both ambitions through a phased journey, and conclude in a shared destination.

Both begin with Discovery.

Phase 1
Discovery and 360° Review

Phase 2
Project planning

Phase 3a
Greenfield design and development

Phase 3b
Brownfield refinement and migration

Phase 4
Integration, and ongoing development

Phase 5
Ongoing support and maintenance

AWS Serverless technologies – what is it, and do you want it?

Yes, you do, as it enables enterprises to run code, manage data, and integrate applications, all without managing servers. Automatic scaling, built-in high availability, and a pay-for-use billing model to increase agility and optimise costs. Meanwhile AWS Lambda, an event-driven compute service, is natively integrated with over 200 AWS services and software as a service (SaaS) applications.

Phase 1:
Discovery and 360º Review

Whether you're starting from scratch or adapting what you have, a workshop will ask the key questions and lay the foundations of your new solution.

Communication and mutual understanding matter, and our checklist of questions help determine the best route to development success.

Some are technical: 'Where are you now? What are your core objectives – and will your current capabilities meet them? What are your current pain points? Which supporting languages and platforms? We'll discuss code adaption, integration, and APIs.

Others are more aspirational. For example, 'What does success look like – a skyscraper or a bungalow?' How many users do you envisage? Will they be global or local? We might ask you to describe your company vision – and how the app will support it.

Get future-focused. Today.
Tomorrow is only a day away. Today is the time to check where your IT portfolio aligns with your long-term business strategies and the infrastructure changes needed to achieve them.

Is the application resilient enough – and will my infrastructure scale with it? Can you meet current challenges and maximise future opportunities? For most SMBs or Enterprises, that means the cloud. A migration assessment and detailed code review will assess your cloud compatibility.

The Bytes team will capture requirements and user stories, develop personas, and gap analysis will match challenges around documentation or functionality with tools, solutions, and expertise. This review ensures we take forward the best cloud compatibility and development options utilising appropriate AWS foundations or IoT integrations.

Your objectives will be aligned with potential AWS Funding support. Support that could part-fund your application development and support you to realise your aspirations.

Phase 2:
Project planning

Let's select your development route. Do we start from new and build from the ground up? (That's a greenfield, left lane job) or revitalise and rearchitect the code for cloud and scale for future use? (Take the right lane for this.)
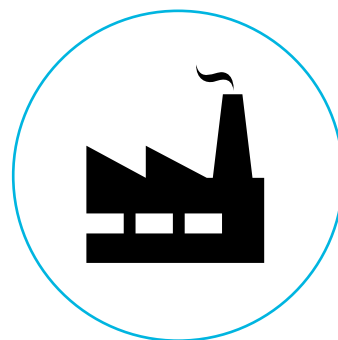
If the review proves the code in development will not meet the project goals, the project is reset as a fresh start, greenfield build.

Phase 3a:
Greenfield design and development

Here's where we scope out process flows, build wireframes, and enable cloud compatibility where required. Robust build quality, and flex for continuous improvement, is the default for Bytes.

Whether the development journey is greenfield or brownfield-driven, the aim is to create a Minimum Viable Product (MVP) fully compatible with the principles of continuous improvement (CI).

Phase 3b:
Brownfield refinement and migration

Our experts refine and develop the current coding to support an improved user journey through the application, its integrations, and process flows, while aligning it with AWS architecture and additional integrations.

Phase 4:
Integration, and ongoing development

Whatever the journey profiles, both routes converge at the point of delivery of a product that is never finished. It must keep pace with updates and ongoing iOS or Android updates cannot compromise functionality. Dedicated solutions can and will help future integration with (for example) apps supporting Internet of Things (IoT)-enabled technologies, such as AWS IoT core.

Phase 5:
Ongoing support and maintenance

Welcome to partner-led support with a development-led offering. We'll maintain the AWS architecture while supporting iOS/Android updates and ongoing code/data validations. Further application development with continuous improvement will maximise uptime.

Why Bytes?

As an AWS Advanced Consulting Partner we have rich AWS transformation experience. Tap into Bytes specialist security, DevOps, network and infrastructure teams.

AWS Managed Services enable improved visibility, internal team capabilities, and cloud migration savings.

Our in-house AWS team can accelerate your cloud journey, while our AWS lifecycle support extends from migration and Well-Architected Reviews to governance, FinOps, and development.

aws partner network

Advanced
Consulting Partner

Digital Workplace Competency

Microsoft Workloads Competency

Well Architected

Public Sector Partner

Solution Provider

Want to know more about our AWS Managed Services?

AWS@bytes.co.uk
01372 418500
bytes.co.uk/cloud/amazon-web-services

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