



ITNextGen Limited
Digital Technology Specialists

G-Cloud 15 Service Definition Document

Cloud Native Application Development

ITNextGen Limited

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Service Overview

ITNextGen's Cloud-Native Application Development service provides experienced UK-based software engineers who design and build modern, scalable cloud applications for public sector organisations. We deliver containerised, microservices-based solutions optimised for AWS, Azure, and GCP platforms, enabling rapid deployment, resilience, and cost efficiency.

Service Description

Our consultants work alongside buyer teams to develop cloud-native applications using modern frameworks, containerisation (Docker/Kubernetes), serverless architectures, and cloud platform services. We follow DevSecOps practices, infrastructure-as-code principles, and Agile methodologies to deliver secure, maintainable, and scalable solutions aligned with GDS Service Standards and government cloud security guidance.

Service Benefits

- Rapid development using modern cloud-native patterns and frameworks
- Scalable microservices architecture delivering resilience and high performance
- Reduced infrastructure costs through optimised cloud resource utilisation
- Faster time-to-market with automated CI/CD deployment pipelines
- Enhanced security with built-in DevSecOps practices and compliance
- Improved maintainability through containerisation and infrastructure-as-code approaches
- Seamless multi-cloud portability across AWS, Azure, and GCP

Service Features

- UK-based software engineers with public sector delivery experience
- Multi-cloud expertise across AWS, Azure, and GCP platforms
- Container orchestration using Docker, Kubernetes, and serverless technologies
- API-first design with RESTful and GraphQL integration capabilities
- Infrastructure-as-code implementation using Terraform and CloudFormation templates
- Automated testing frameworks ensuring code quality and reliability
- SC/DV eligible consultants for sensitive government projects available

Service Scope

The service supports end-to-end application development including requirements analysis, architecture design, coding, testing, deployment automation, and operational handover. We specialise in containerised applications, API-first design, event-driven architectures, serverless functions, and cloud database integration. Consultants work on-site or remotely depending on buyer security and operational requirements.

Deliverables

Typical deliverables include application source code with version control, containerised deployment packages, infrastructure-as-code templates (Terraform/CloudFormation), CI/CD pipeline



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configurations, automated test suites, technical documentation, architecture diagrams, and operational runbooks. All deliverables follow government coding standards and include comprehensive handover documentation.

Onboarding and Offboarding

At service initiation, ITNextGen agrees scope, technology stack, delivery methodology, sprint cadence, and quality gates with the buyer. Engineers are onboarded following buyer security clearance and access protocols. On completion, we provide structured knowledge transfer, comprehensive documentation, and ensure all code repositories and deployment pipelines are transferred to buyer ownership.

Security and Compliance

All development follows secure coding practices aligned with OWASP Top 10, ISO/IEC 27001 principles, and NCSC Cloud Security Principles. Code undergoes security scanning, vulnerability assessment, and peer review. Engineers follow role-based access controls, secure credential management, and comply with buyer-specific security policies. SC/DV eligible consultants available where required.

Service Constraints

Delivery requires buyer-provided development environments, cloud platform access, and necessary licences. On-site work is available by agreement; default delivery is remote-first. Specialist third-party integrations may require additional procurement. Performance depends on timely buyer feedback, approvals, and access to subject matter experts.

Exit Management

At engagement conclusion, ITNextGen transfers all source code, documentation, and intellectual property rights to the buyer. We provide final deployment, knowledge transfer sessions, and operational handover packs. All access to buyer systems, repositories, and cloud platforms is revoked according to buyer offboarding procedures and contractual requirements.