Accelerating Innovation with DevOps Excellence

Bridging Gaps, Building Futures:

At XTIVIA, we recognize that DevOps is not merely a methodology but a transformative culture that revolutionizes the way you develop, deliver, and maintain software solutions. By seamlessly integrating DevOps into your workflow, we strive to foster unparalleled collaboration, streamline processes, and dramatically accelerate time-to-market for new features and products. Our approach empowers your business to achieve higher efficiency, innovation, and competitiveness in today's dynamic digital landscape.
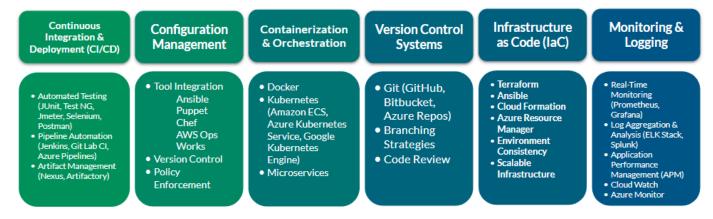
Our Capabilities:

XTIVIA delivers cutting-edge DevOps solutions with extensive experience and a stellar track record in optimizing software development and IT operations. Our unparalleled expertise and innovative approach ensure that we provide transformative solutions that drive efficiency, scalability, and superior performance. Our core capabilities include:

Automation	Scalability	Security	Monitoring & Logging	Collaboration
• CI/CD Pipelines • Infrastructure Provisioning • Deployment Processes	• Infrastructure Growth Handling • Adaptability to Demand	• Automated Security Testing • Compliance Checks • Centralized Authentication & Authorization	• Real-Time Insights • Proactive Issue Resolution • Continuous Improvement	• Tools & Practices • Team Alignment • Collective Progress

Our Offerings:

Our DevOps consultants bring unparalleled expertise across the entire DevOps spectrum, from Continuous Integration and Continuous Testing to Continuous Delivery. While we champion the best-of-breed tools, our vast experience encompasses a wide array of tools used in Development, Testing, and Operations. Our refined methodologies and proven practices empower us to rapidly deploy highly effective DevOps processes, ensuring seamless integration and exceptional performance tailored to your unique business needs.

Continuous Integration & Deployment (CI/CD)	Configuration Management	Containerization & Orchestration	Version Control Systems	Infrastructure as Code (IaC)	Monitoring & Logging

• Automated Testing (JUnit, Test NG, Jmeter, Selenium, Postman)
• Pipeline Automation (Jenkins, Git Lab CI, Azure Pipelines)
• Artifact Management (Nexus, Artifactory)
	• Tool Integration
	  Ansible
	  Puppet
	  Chef
	  AWS Ops Works
	• Version Control
	• Policy Enforcement
		• Docker
		• Kubernetes (Amazon ECS, Azure Kubernetes Service, Google Kubernetes Engine)
		• Microservices
			• Git (GitHub, Bitbucket, Azure Repos)
			• Branching Strategies
			• Code Review
				• Terraform
				• Ansible
				• Cloud Formation
				• Azure Resource Manager
				• Environment Consistency
				• Scalable Infrastructure
					• Real-Time Monitoring (Prometheus, Grafana)
					• Log Aggregation & Analysis (ELK Stack, Splunk)
					• Application Performance Management (APM)
					• Cloud Watch
					• Azure Monitor

Of course, while this is our recommended set of tools at this point in time, you will reap significant benefits regardless of your chosen technology stack.

1. Continuous Integration and Continuous Deployment (CI/CD)

We streamline the software development lifecycle by automating the integration and deployment processes. Our CI/CD solutions include:

- **Automated Testing:** Implementing unit tests, integration tests, and automated test cases to ensure code quality.
- **Pipeline Automation:** Creating automated pipelines for code building, testing, and deployment to various environments.
- **Artifact Management:** Using artifact repositories to manage build artifacts and ensure consistency across deployments.

2. Configuration Management

We help manage your infrastructure and software configurations consistently across all environments, reducing errors and improving reliability.

- **Tool Integration:** Utilizing tools like Ansible, Puppet, and Chef to automate configuration management tasks.
- **Version Control:** Keeping track of configuration changes and ensuring consistent configurations across all environments.
- **Policy Enforcement:** Applying policies to ensure compliance and security standards are maintained.

3. Containerization and Orchestration

Our containerization and orchestration solutions enable you to deploy applications in a more efficient, scalable, and portable manner.

- **Docker:** Containerizing applications to ensure consistency across development, testing, and production environments.
- **Kubernetes:** Orchestrating containers for efficient resource management, scaling, and high availability.
- **Microservices:** Designing and deploying microservices architectures to improve modularity and maintainability.

4. Monitoring and Logging

We provide comprehensive monitoring and logging solutions to ensure system reliability and performance.

- **Real-Time Monitoring:** Implementing tools like Prometheus, Grafana, and ELK Stack for real-time system monitoring and alerting.
- **Log Aggregation and Analysis:** Centralizing log collection and providing advanced analytics to detect and troubleshoot issues.
- **Application Performance Management (APM):** Using APM tools to monitor application performance and user experience.

5. Version Control Systems (VCS)

We implement and manage version control systems to track code changes, facilitate collaboration, and maintain code integrity.

- **Git:** Setting up and managing Git repositories to handle code versioning and collaboration.
- **Branching Strategies:** Implementing effective branching strategies to streamline development workflows.
- **Code Review:** Facilitating code reviews to ensure code quality and maintain coding standards.

6. Infrastructure as Code (IaC)

Our IaC solutions allow for the automated provisioning and management of infrastructure using code, ensuring consistency and repeatability.

- **Terraform, Ansible, and CloudFormation:** Utilizing industry-leading tools to define and manage infrastructure.

- **Environment Consistency:** Ensuring that development, testing, and production environments are identical to prevent configuration drift.

- **Scalable Infrastructure:** Designing infrastructure that can scale dynamically based on demand.

Why XTIVIA?

Managed Services	Implementation	Big Data & Analytics
Cloud Configuration	Application Architecture & Implementation	Big Data in Cloud
Public / Hybrid Cloud	Application / Data Integration	Smart & Real-Time Visualization
Backup & Storage	Cloud Infra Architecture & Implementation	Stream Analytics Architecture & Implementation
Monitoring	iPaaS	Data Lakes Architecture
Change Management	FaaS	Data Science Pipeline Development
Cost Management	API Management	Apache Beam
Capacity Management	PaaS	
Application Management	IaaS	
Infrastructure Management - Terraform		

Consulting	Migration	DevOps & Cloud Native
Assessment	Proof-of-Concept (POC)	CICD of Cloud Native Apps
Roadmap	Cross Cloud Migration	Serverless Computing
TCO / ROI Analysis	Physical to Virtual Migration	Container based Applications
Security	Application Migration	Cloud Automation
	Data Migration	
	Infra Migration	

- **Proven Expertise:** With a wealth of experience in DevOps transformations, our team has successfully delivered solutions across diverse industries, ensuring optimal performance and reliability in every project.

- **Comprehensive Solutions:** Our end-to-end DevOps offerings encompass all aspects of the development and operations lifecycle, providing a holistic and integrated approach that drives efficiency and innovation.

- **Scalability and Flexibility:** Our solutions are meticulously designed to scale with your business, offering the flexibility to adapt to evolving needs and demands, ensuring continuous alignment with your growth trajectory.

- **Security Focused:** We embed security at every stage of the DevOps process, implementing advanced security measures to protect your applications and infrastructure from emerging threats and vulnerabilities.

- **Client-Centric Approach:** We prioritize our clients' unique challenges and requirements, delivering tailored solutions and dedicated support to ensure your objectives are met and exceeded.

XTIVIA Overview

XTIVIA is a proven technology integration and innovation company known for delivering leading-edge technology solutions to our client's specific requirements, regardless of project complexity. Since 1992, our success stems from a demonstrated ability to deliver deep expertise via professional services, empowering clients to successfully, competitively, and profitably leverage their chosen technology. XTIVIA has offices in Colorado, New York, New Jersey, Texas, Virginia, and India. www.xtivia.com