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KINETIC SKUNK™

ENGINEERING SOFTWARE QUALITY™

AI-DRIVEN CLOUD APPLICATION MODERNISATION SUITE

www.kineticskunk.com

JANUARY 2025

CONTENT LIST

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ABOUT US

At KineticSkunk™, we empower organisations to modernise application development by integrating AI-driven automation, Microsoft Azure, and intelligent DevOps practices.

With expertise in Microsoft-native tools and Co-Pilot-enabled automation, we help businesses achieve faster time-to-market, enhanced developer productivity, and optimised software quality.

OUR MISSION: To accelerate Azure adoption and DevOps transformation by embedding AI-powered automation and cloud-native architectures into modern CI/CD pipelines.

CORE EXPERTISE:
- AI-Driven Development & Automation
- Microsoft Azure Cloud-Native Architectures
- DevOps & CI/CD Modernisation with Co-Pilot-Enabled Tools
- Security & Compliance-Driven Development
- Developer Productivity Optimisation

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HOW WE ENGAGE

Engage & Assess

Analyse current development workflows, cloud readiness, and CI/CD maturity.

→

Strategy & Plan

Define a custom roadmap leveraging Microsoft Azure & AI-driven automation.

→

Build & Implement

Deploy Co-Pilot-powered solutions, Azure-native CI/CD pipelines, and secure application frameworks.

→

Train & Handover

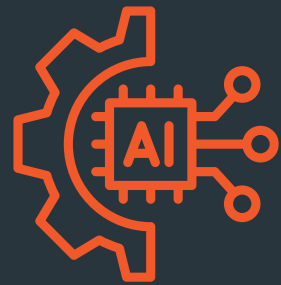Upskill teams on Azure best practices & AI-driven automation.

→

Support & Optimize

Provide ongoing performance optimisation, security enhancements, and AI-enabled insights.

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SERVICE OFFERINGS

01

AI-Powered Development & DevOps Modernisation
- Integrate Microsoft Co-Pilot across development, testing, and deployment workflows.
- Automate code generation, testing, and debugging with AI-powered tools.
- Implement Azure DevOps, GitHub, GitHub Actions & Octopus Deploy for CI/CD automation & release management.

02

CI/CD & Application Modernisation on Microsoft Azure
- Migrate & modernise applications using Azure Kubernetes Service (AKS), Azure Red Hat OpenShift (ARO), Azure Container Apps, and Azure App Services.
- Optimize deployment automation with Octopus Deploy for multi-environment releases.
- Adopt serverless architectures and containerisation for scalability & agility.

03

AI-Driven Software Testing & Quality Assurance
- Implement AI-powered automated testing with LambdaTest & Azure Test Plans.
- Enable Shift-Left testing to catch defects early in the SDLC.
- Integrate GitHub Actions & Octopus Deploy-run automated testing workflows in CI/CD pipelines.

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SERVICE OFFERINGS

04

Security-Driven Development (DevSecOps)

- Automate security scanning with SAST, DAST, and container security tools via Azure Security Center.
- Enforce secrets management, compliance policies, and secure Infrastructure-as-Code (IaC) with Azure Policy & Azure Key Vault.
- AI-driven vulnerability detection for proactive threat mitigation.

05

AI-Driven Monitoring & Continuous Optimisation

- Deploy AI-powered observability using Azure Monitor, Azure Application Insights & Log Analytics.
- Optimize Azure cloud cost & resource utilization with AI-driven insights.
- Automate self-healing cloud infrastructure with AI-driven auto-scaling.

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AZURE & CO-PILOT ENABLED TECH SYNERGIES

We partner with Microsoft and leading Azure-native solutions to maximize efficiency & innovation:

Cloud & AI-Powered Infrastructure:

- Azure Kubernetes Service (AKS) – Scalable containerised application deployment
- Azure Red Hat OpenShift (ARO) – Enterprise Kubernetes for regulated industries
- Azure Container Apps & Azure App Services – Serverless & microservices-ready hosting

CI/CD & Automation:

- Azure DevOps – Full lifecycle management for cloud-native applications
- GitHub & GitHub Actions – Co-Pilot-enabled automation of CI/CD pipelines
- Octopus Deploy – AI-driven release orchestration & deployment automation

Testing & Quality Assurance:

- LambdaTest – AI-powered cloud-based test automation
- Azure Test Plans – Scalable test management and reporting
- GitHub Actions for Testing – Seamless integration of automated test workflows

Observability & Security:

- Azure Monitor & Application Insights – AI-powered observability & performance tracking
- Azure Security Center & Key Vault – Cloud-native security & compliance automation
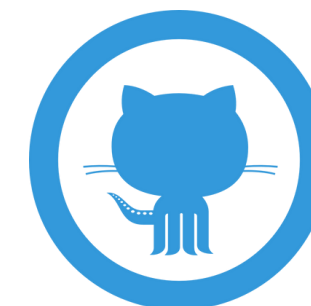
WHY PARTNER WITH US?

Business Benefits:

√Accelerated Time-to-Market – Automate repetitive tasks & streamline deployments with Azure CI/CD & Co-Pilot.

√ Improved Developer Productivity – AI-driven enhancements for coding, testing & monitoring.

√ Optimised Cloud Costs – Reduce Azure overhead with intelligent cloud resource management.

√ Stronger Security & Compliance – Embed DevSecOps & regulatory compliance into SDLC.

√ Future-Proof Technology Stack – Adopt Microsoft Azure-native & AI-powered solutions.

CONTACT US

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