John Stilia | Senior Platform/DevOps

Richmond, London, UK

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'Solving complex problems through open collaboration, I focus on building secure, sustainable, and reliable products by strengthening infrastructure and adapting the Software Development Life Cycle (SDLC) to meet real-world needs.'

Technical skills

Cloud Infrastructure: Amazon Web Services (AWS) RDS, EC2, S3, IAM Organizations, Elastic Kubernetes Service (EKS), Lambda, AppSync, CloudFormation, CloudFront

Version Control & CI/CD: ArgoCD, GitHub Actions, GitLab CI/CD, GitLab Advanced Security, Helm, Ansible, Jenkins

Containerization & Orchestration: Docker, Kubernetes (K8s), K3S, Bare-Metal Kubernetes, Terraform, Ansible, Packer, Prometheus, Grafana, FluxCD

DevOps & Security: AWS Well-Architected Framework, Snyk, Trivy, Checkov, Bridgecrew, vulnerability scanning, compliance automation, DevSecOps best practices

Monitoring & Observability: Grafana, Prometheus, Alertmanager, Loki, DataDog, log aggregation, metrics collection

Programming Languages: Bash (POSIX), Python, JavaScript , C++, YAML, JSON

Publications

The Tao of Terraform: Written to make Terraform less intimidating for beginners, breaking down core concepts into plain language with real-world Infrastructure as Code (IaC) examples.

The Tao of Ansible: A friendly, beginner-focused guide to Ansible configuration management, aimed at helping people build confidence and understand automation without the jargon.

Work Experience

Bohemia Interactive Simulations   **London**
Senior DevOps Engineer / DevOps Lead   *05/'24 - Present*
Ansible AWX rollout and automation.
Ansible role development for internal teams.
GitLab CI/CD pipeline template creation and optimization.
GitLab Advanced Security Suite (SAST, DAST, SCA, container scanning).
Helm chart development for release engineering.
Kubernetes training and enablement for engineering teams.
Argo CD maintenance and application deployment.
Cloudflare DNS and Web Application Firewall (WAF) management.
AWS cost optimization and cloud resource savings.
Application design for internal Helm/Kubernetes deployments.
Container security implementation (Trivy, GitLab Security).
VMware to Kubernetes migration (Tanzu and Amazon EKS).

Century Tech   **London**
Senior DevOps Engineer   *06/'23 - 05/'24*
Role ended due to redundancy
Maintained and optimized Amazon Web Services (AWS) infrastructure: Elastic Kubernetes Service (EKS), Simple Storage Service (S3), IAM Organizations, Relational Database Service (RDS).
Led migration from Bitbucket to GitLab for version control and CI/CD pipelines.
Transitioned Jenkins to GitLab CI/CD for automated build and deployment processes.
Streamlined continuous integration and continuous delivery workflows for efficiency.
Managed Amazon Machine Images (AMIs) with Packer and Ansible automation.
Upgraded EKS clusters and migrated workloads to enhance scalability and resilience.
Managed Kubernetes deployments using Helm and GitOps practices with FluxCD.
Enhanced monitoring with Prometheus, Grafana, and Alertmanager.
Strengthened container security using Trivy and GitLab Security scanning.
Provided technical support for Kubernetes deployments.
Implemented Infrastructure as Code (IaC) with Terraform and Terraspace.
Delivered internal training on Terraform, Kubernetes, CI/CD, and cloud automation.

ITV-PlanetV   **London**
Lead DevOps Engineer   *06/'22 - 06/'23*
Managed a team of 43 developers and DevOps engineers.
Provided consultancy and leadership for the engineering team.
Architected AWS serverless infrastructure: AppSync, S3, RDS.
Modularized Terraform and AWS CloudFormation for improved Infrastructure as Code practices.
Developed Python serverless functions for application features.
Recruited DevOps and DevSecOps engineers.
Developed and delivered compliance strategy to meet regulatory standards.
Created disaster recovery plans for high availability.
Optimized AWS costs and cloud efficiency.
Improved CI/CD and SDLC processes.
Completed AWS Well-Architected review.
Performed deep-dive infrastructure analysis.

SKY Media   **London**
Senior DevSecOps Engineer (Promotion)   *09/'21 - 06/'22*
Scrum Master for engineering projects.
Recruited DevSecOps and Python developers.
Built AWS infrastructure: EKS, RDS, S3, IAM Organizations.
Applied AWS Well-Architected principles for secure and optimized architecture.
Enforced security best practices organization-wide.
Developed CI/CD pipelines using GitHub Actions.
Handled incident response for security issues.
Delivered cyber security training to staff.
Developed AWS golden images with security hardening.

SKY Media   **London**
DevSecOps Engineer   *06/'20-09/'21*
Enhanced AWS cloud infrastructure performance and security.
Developed internal security tools.
Managed Linux OS patching.
Performed vulnerability scanning and remediation.
Architected Ansible provisioning for infrastructure automation.
Developed Python-based threat detection tools.
Created centralized security dashboards.
Managed AWS IAM policies and security groups.

F-Secure   **London**
DevSecOps Engineer (Promotion)   *02/'19-06/'20*
Deployed AWS environments for over 250 customers (EC2, NLB, RDS).
Managed VMware ESXi infrastructure.
Developed internal Python automation tools.
Created Linux kernel modules for network filtering.

F-Secure   **London**
Support Engineer   *09/'18-02/'19*
Account provisioning and onboarding.
Troubleshooting VMware ESXi hardware issues.
Network management and configuration.

Personal Projects & Products

VSCode Extension - PastePortal: A Visual Studio Code extension enabling instant sharing of code snippets, improving collaboration and developer workflow.

VSCode Extension - Yolo Commit: JavaScript-based extension that generates random commit messages, commits all changes, and pushes them for rapid development workflows.

VSCode Extension - LazyLogs: JavaScript extension that detects programming language and injects context-aware debug statements for faster troubleshooting.

Local Kubernetes + Cloudflare Tunnels: Deployed bare-metal Kubernetes cluster at home using GitOps (GitHub + FluxCD) with Helm templates, securely exposed via Cloudflare Tunnels.

Mobile App - NutriScan: React Native + Node.js app using AI/ML models to scan and calculate nutritional values, designed for both iOS and Android platforms.

Book - *The Tao of Ansible*: Beginner-friendly guide to Ansible automation, focusing on practical patterns and simplifying complex workflows.

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