

Konstantinos Tsiakas

SENIOR PLATFORM ENGINEER | CLOUD INFRASTRUCTURE ARCHITECT

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Strategic **Senior Platform Engineer** with 8+ years of experience in high-performance FinTech, AI, and IoT environments. Expert in **greenfield (0 to 1)** infrastructure, architecting zero-trust, ISO-compliant ecosystems. **AI-native builder** proficient in leveraging tools like **Claude Code** and **GitHub Copilot** to accelerate Terraform development, CI/CD design, and infrastructure planning.

PROFESSIONAL EXPERIENCE

Senior Platform Engineer | Voda.ai (Asset Management)

Jun 2025 – Present

- Architected ISO-compliant AWS environments using modular Terraform, significantly reducing infrastructure deployment time for complex multi-account ecosystems.
- Automated high-frequency CI/CD workflows via GitHub Actions and Amazon ECR, improving release cycles and enabling robust cross-VPC observability.
- Integrated federated SSO with external Identity Providers (IdPs) to harden organizational security and streamline access management across the enterprise.

Cloud Infrastructure Consultant (Part-time) | Synthesa.ai (AI-based Evidence Synthesis)

Aug 2025 – Present

Leading a part-time cloud infrastructure consultancy focused on 0 to 1 greenfield builds.

- Designed comprehensive GCP ecosystems to support large-scale AI data engineering pipelines, ensuring seamless integration between infrastructure and data layers.
- Hardened platform security by implementing Identity-Aware Proxy (IAP) and automated governance frameworks using Terraform to ensure strict data privacy.

Sole Infrastructure Lead & Senior Platform Engineer | EquinoxAI B. V. (Trading Firm)

Nov 2021 – May 2025

Sole platform engineer responsible for all infrastructure design, build, and operations end-to-end.

- Owned the entire **greenfield build (0 to 1)** of the trading infrastructure, ensuring high availability for mission-critical operations.
- **Cost Optimization:** Reduced AWS dependency and optimized global cloud spend by 25% by architecting a multi-cloud strategy (AWS, Hetzner, Backblaze).
- **Performance:** Refactored core trading infrastructure to achieve 30% gains in execution latency, directly improving algorithmic strategy performance.
- Implemented centralized observability using Clickhouse, ELK, and Grafana to ensure 99.9% uptime for mission-critical systems.

DevOps Engineer | Hellenic Army IT Support Center (KEPYES)

Jan 2021 – May 2021

- Provided R&D for new technologies and automations; presented weekly scalability strategies to senior leadership.

DevOps Engineer | Deepsea Technologies (Shipping Industry)

Jan 2019 – Sep 2020

- Migrated local ML scripts to cloud microservices, enabling model production for 100+ ships weekly.
- Engineered monitoring systems for fuel cost reduction and engine health, contributing to measurable maritime OpEx reductions.

Junior Full Stack Developer | modio.io (IoT & Cloud)

Nov 2017 – Jan 2019

- Developed IoT and 5G streaming applications using AngularJS, Docker, Kubernetes, and InfluxDB for large-scale European research projects.

TECHNICAL EXPERTISE

AI TOOLING	Claude Code, GitHub Copilot (Daily use for Terraform modules, CI/CD design, and infra planning).
CLOUD & INFRASTRUCTURE	AWS (SAP), GCP, Hetzner, Backblaze, Docker, K8s (CKA), Terraform, AWS CDK, CloudFormation.
CI/CD & AUTOMATION	GitHub Actions, GitLabCI, Jenkins, Bash, Python, Ansible.
OBSERVABILITY	Grafana, ELK, Clickhouse, InfluxDB, Prometheus, Redis, PostgreSQL, MongoDB.

EDUCATION & CERTIFICATIONS

AWS Certified Solutions Architect – Professional (SAP) | Certified Kubernetes Administrator (CKA)

BSc Software Engineering – Dept. of Informatics & Telecommunications, Athens