LODOVICO MINNOCCI | VMINNOCCI@GMAIL.COM | [LINKEDIN](#)

Professional Summary

Senior Software Engineer with 25+ years of experience in **cloud-native architecture**, **DevOps automation**, and **observability solutions**. Proven expertise in **Azure**, **AWS**, **CI/CD pipelines**, and **infrastructure as code (Terraform)**. Skilled in **microservices design**, **security compliance (SOC 2)**, and **performance optimization**. Adept at leading teams and delivering scalable enterprise-grade solutions.

Core Skills

- **Cloud Platforms:** Azure, AWS
- **DevOps & CI/CD:** GitHub Actions, Jenkins, Azure Pipelines
- **Infrastructure as Code:** Terraform
- **Programming:** TypeScript, Python, C#
- **Monitoring & Observability:** Datadog, SLO/SLI design
- **Leadership:** Team mentoring, technical strategy

Certifications

- Azure DevOps Expert, Azure Administration Expert, Azure Fundamentals, Azure Administration Associate
- AWS Developer Associate, AWS Solutions Architect Associate

Experience

Senior Software Engineer | Torc Robotics | Sept 2024 – Present

- Developed React applications for monitoring vehicle fault events and visualizing live truck data (cameras, lidar, mission logs).
- Built a configuration management system to track hardware/software changes and enforce compliance.
- Designed a REST API integrated with DynamoDB, documented via Open API, enabling client API generation.
- Datadog dashboards, monitoring, SLOs, and Synthetic tests.
- Unit, integration, and E2E testing.

Systems Architect | Ancera, Branford, CT | Dec 2020 – Sept 2024

- Led Azure administration, DevOps, and security initiatives; achieved SOC 2 compliance.
- Designed edge AI solutions using Docker, Nvidia GPUs, and Ubuntu, improving image recognition performance by **700%**.
- Managed Azure infrastructure, maintaining top scores in cost, security, reliability, and performance.
- Implemented DevSecOps practices with Snyk and Beagle Security; developed secure CI/CD pipelines.
- Built ML-Ops workflows for TensorFlow in Docker; deployed private container and Python artifact registries.

Lead Integration Engineer | Subway, Milford, CT | Jul 2019 – Dec 2020

- Designed and developed APIs for mobile, web, and B2B integrations, serving millions of users daily.
- Led international engineering team; implemented AWS serverless architecture and CI/CD pipelines.

Principal Software Engineer | Thermo Fisher Scientific | Jul 2015 – Jul 2019

- Developed platform applications using Java, Docker, Kubernetes, and AWS for Fortune 500 clients.
- Prototyped containerization and observability solutions on Kubernetes.

Education

- **MS, Computer Science** – Southern Connecticut State University
- **BS, Psychology** – Southern Connecticut State University