Michael Mikhailidi

Solutions Architect | Cloud Modernization | Enterprise Automation

mikhailidim@gmail.com | 617-949-6650 | Ellicott City, MD | https://michael.mikhailidi.me
https://linkedin.com/in/mmikhailidi | https://chronicler.tech

Professional Summary

Extensive experience in enterprise architecture, software engineering, federal consulting, and program delivery across complex public-sector and commercial environments. Brings a strong track record of leading modernization, integration, automation, and security initiatives for government agencies and regulated organizations, with hands-on experience spanning financial services, federal, and technology sectors. Recognized for extensive federal consulting and delivery leadership, including work with the U.S. Securities and Exchange Commission (SEC), where responsibilities included architecture strategy, team leadership, and execution on high-value, mission-critical programs. Skilled at translating business and operational goals into secure, scalable, and resilient technology solutions across AWS, Google Cloud, and Oracle Cloud Infrastructure.

Core Expertise

Cloud and multicloud architecture; application modernization; serverless solutions; DevOps and CI/CD; infrastructure as code; Ansible automation; Zero Trust architecture; identity and access management; Oracle databases and middleware; SOA and systems integration; disaster recovery; AI-enabled solutions.

Selected Achievements

- **Production AI-enabled system delivery:** Successfully delivered one of the first successful AI-powered applications into production. The successful delivery enabled the SEC to leverage AI for improved decision-making and operational efficiency.
- **Cloud migration strategy:** Developed the AWS migration roadmap for SEC EDGAR, addressing Red Hat OpenShift, Oracle databases, third-party services, security compliance, cost controls, cutover planning, performance, and disaster recovery.
- **Serverless modernization:** Modernized the SEC's public-facing EPEF application in 10 months using core AWS components and services. Automated content delivery, eliminated personally identifiable information collection and processing, and reduced ownership costs with a pay-as-you-go architecture.
- **Infrastructure optimization:** Designed and implemented extreme automation platform, which streamlined the delivery, configuration, and maintenance. Reduced average maintenance windows to roughly one-third of their previous duration, with significant optimization of labor costs and administrators intervention.
- **Enterprise automation:** Designed and implemented extreme automation platform, which streamlined the delivery, configuration, and maintenance. Reduced average maintenance windows to roughly one-third of their previous duration, with minimal administrator intervention.
- **Security and operational resilience:** Led Zero Trust compliance for a 180-server platform spanning four environments and seven applications, including two High-Value Assets. Integrated Login.gov multifactor authentication and established disaster recovery architecture and annual failover and fallback exercises.
- **AI production delivery:** Successfully rolled out an AI-powered production system.

Professional Experience

Chief Technology Officer | Peregrine Advisors | May 2026 – Present

Provided technical leadership, architecture, and delivery across multiple company's federal and public sector initiatives. Work with the company stakeholders and partners on the development and implementation of technical strategies.

Solutions Architect / Lead | Maximus | Jan 2018–May 2025

Led SEC architecture, modernization, automation, security, and platform operations initiatives. Collaborated with enterprise architecture teams, agency leadership, and security stakeholders.

Senior Developer / Architect | World Fuel Services | Jan–Dec 2017

Architected secure service-based integrations connecting trading systems with airlines, airports, and fuel trading partners. Supported delivery automation and cross-team coordination.

Additional experience: Rimini Street; Oracle; Fresenius Medical Care; Asia-Soft; BTA Bank.

Certifications and Education

- AWS Certified Solutions Architect – Associate, 2022
- Google Cloud Certified Professional Cloud Architect, 2023
- Oracle Cloud Infrastructure Certified Multicloud Architect Professional, 2025
- Oracle Cloud Infrastructure Generative AI Professional, 2024
- Oracle Cloud Infrastructure Certified Architect Professional, 2023
- B.Sc., Computer-Aided Design, Tomsk University of CAD and Radio Electronics, 1993

Security Clearance

- SEC Public Trust (SF-85P), active

Thought Leadership

Published author and conference speaker on cloud performance, enterprise automation, Oracle middleware, and integration security.