# MIKE STANKAVICH

**Austin, TX** | **LinkedIn**: https://www.linkedin.com/in/mikestankavich | **(503) 593-2224** | **Email**: mike@stankavich.com

Accomplished Principal DevOps Engineer and Strategic International Technical Solutions Leader with over 20 years of experience. Expertise spans designing, developing, and implementing scalable software solutions, managing complex data projects, and overseeing cloud platforms. Proficient in database modeling and systems security, with a track record of providing comprehensive deliverables aligned with business objectives. Skilled in network engineering, system administration, and directing large-scale IT initiatives for Fortune 100 companies. Exceptional communicator with cross-functional teams, and known for translating technical concepts into accessible language for diverse audiences internationally. Committed to delivering tangible value and optimizing operational efficiency.

## Expertise

- Cloud-Native Architecture, Microservices & DevOps (AWS, Azure, GCP)
- Site Reliability Engineering (SRE) & Infrastructure as Code (IaC)
- Software Development, Systems Design & Full SDLC
- Distributed Systems, Data Stores & Machine Learning

- Continuous Integration/Deployment (CI/CD) & Testing
- On-Premise & Cloud Deployments (IoT, Multi-Cloud)
- Microservice Architecture & API Development
- IT Security, Transition, Transformation & Management
- Excellent Verbal & Written Global Communication Skills

## Work History

**Senior Cloud Infrastructure Engineer** (contract)                          09/2022 -12/2023
**Enigma**

- Orchestrated a comprehensive cloud infrastructure overhaul for a financial sanctions screening product, enhancing Gitlab CI/CD processes and securing sensitive data, improving operational efficiencies
- Designed, implemented, and maintained mechanisms to release and manage software in cloud environments, ensuring the integrity of software release mechanisms and infrastructure, accelerating time to value
- Collaborated across engineering, quality, and security teams to build robust automation, remove manual tasks, and prioritize security from design to deployment while ensuring compliance with regulatory requirements and policies
- Implemented DevSecOps practices by integrating security controls and best practices into the development lifecycle
- Built standard infrastructure services including containers, databases, network management abstracts, and resiliency, maintaining a roadmap that aligns infrastructure enhancements and automation efforts with business objectives
- Refactored and enhanced Terraform Gitops including directing module development and overseeing state realignment
- Developed and supported AWS ECS/ECR for robust container management and implemented AWS Secrets Manager
- Utilized make/just, shell scripting, Dockerfile, and Python to optimize pipeline efficiency, facilitating streamlined development processes and enhancing developer productivity
- Tuned PostgreSQL and Dagster for optimal performance and integrated Okta with ElasticSearch for secure dashboard access
- Designed and implemented robust CI/CD pipelines and microservices for AWS-hosted .NET SaaS applications

**Principal Engineer/Owner**                          05/2021- 09/2022
**Jackson Peak LLC**

- Architected and led the development of on-premise solutions, including a modular RFID data collection platform (SwiftID) for Covid-19 contact tracing and a software/hardware solution for construction
- Collaborated with offshore teams to deliver comprehensive solutions for both microservices and monolithic architectures
- Established a cryptocurrency secure node hosting service and managed GPU-based Ethereum mining operations
- Led development of an RFID geofencing app with offshore teams, ensuring effective implementation and testing

**Cloud Data Platform Engineer** (contract)                          04/2020 - 04/2021
**PIMCO**

- Designed and automated on-prem MongoDB to AWS DocumentDB migration using Terraform IaC and Gitlab CI/CD, collaborating with developers to devise migration strategies
- Orchestrated migrations to public cloud databases (AWS DocumentDB, Athena/Glue, Aurora) and formulated end-of-life strategies for on-prem MongoDB Enterprise systems

- Enhanced and maintained the functionality of legacy and private cloud MongoDB Enterprise platforms, ensuring seamless operation for enterprise applications across the organization

**Senior Solutions Architect** (contract)                                                           03/2019 - 01/2020
**EZCorp**
- Engineered a critical integration of core legacy systems with a new business initiative, designing, building, and deploying a node.js REST API layer hosted on Azure, that minimized disruptions and supported a smooth green-field deployment
- Managed the entire development lifecycle, from architectural design and requirements gathering, to code implementation, infrastructure setup, and successful deployment to production environments
- Launched the new application in selected pawn stores in December 2019 with full rollout to all stores across the US in 2020

**Senior DevOps & Data Engineer** (contract)                                                        07/2016 - 03/2019
**Sharada Capital Management**
- Engineered a fully-automated private cloud infrastructure-as-code and configuration management stack for VMWare virtual machines and LXD containers, including developer platforms, Artifactory, NFS, Postgres, Apache, and source control servers
- Developed installer scripts with Bash and Ansible for automated app and dependency installation on virtual machines
- Implemented complex network configurations to support low latency trading algorithms, optimizing performance

**Senior DBA, Modeler, System Analyst & Programmer**                                    1997 - 2010, 2011 - 2013
**Intel Corporation** – Hillsboro, OR and Penang, Malaysia
- Led 3 major database server upgrades of 40+ servers across 9 environments, reducing downtime by 1,000%, and saving $100,000 in costs
- Co-chaired the Task Group for the Supply Chain Communication Subcommittee, leading the creation of IPC-2578, a pivotal industry standard enhancing data exchange across global electronics supply chains, defining critical components like Bills of Material and Product Design Configuration Data
- Collaborated with network engineering to securely move production servers into a DMZ enclave network and successfully migrate server environments from Hillsboro, OR, to Folsom, CA
- Managed change control processes and supported the deployment of horizontally partitioned replicas at offshore partner sites in Malaysia
- Assisted in capacity planning and resource allocation to ensure the availability of necessary infrastructure resources.
- Designed and optimized a complex product data management and issue tracking system with thousands of tables and views.
- Engaged with multinational teams from Malaysia, the Philippines, and India, contributing to cross-geographical projects and providing expertise in data modeling and optimization

## Additional Work History

**Senior Data Engineer** – qlinary.com – 04/2015 to 05/2016
**Senior Database Architect** – Certain, Inc., San Francisco, CA – 2013 to 2014
**Data Architect, Database & Reporting Manager** – Deutsche Knowledge Service, Manila Philippines – 2010 to 2011

## Technical Skills

- Infrastructure – Terraform, Vagrant, Packer, cloud-init, OpsWorks
- Blockchain – Bitcoin, Ethereum, Horizen, web3, defi
- Configuration Management – Ansible, Testinfra, Chef, Test Kitchen
- Virtualization & Containers – Docker, Portainer, VMWare, vSphere, Parallels, LXD, kvm, Kubernetes
- CI/CD & SCM – GitHub Actions, Gitlab CI/CD, Jenkins, git, svn
- Web & App Servers – Apache, Tomcat, nginx, IIS, haproxy
- Frameworks – Express, Restify, React, Django, Flask, Play framework, ASP.NET, Ionic
- Database Servers – PostgreSQL, MongoDB, SQL Server, Oracle, MySQL
- ETL & Integration – SSIS, Tibco, MSMQ, Informatica
- Languages – JavaScript, Python, SQL, Java, Go, C/C++, C#, Ruby, PHP, Rust
- Scripting & Shell – Bash, Python, PowerShell, DOS
- Cloud Providers – AWS, Azure, GCP, Vultr, Digital Ocean, Hetzner, OVH
- Operating Systems – Ubuntu, CentOS, Mac OS, Windows, Windows Server, Redhat, Debian, VMWare ESX

## Education & Certifications

**Bachelor of Science in Business Administration** in Computer Information Systems, **Thomas Edison State College**

- ISC Certified Information Systems Security Professional (CISSP)
- MS Certified Database Administrator (MCDBA)
- MS Certified Solution Developer, Application Developer (MCSD)
- MS Certified Systems Engineer, Systems Administrator (MCSE)
- APICS Certified Supply Chain Professional (CSCP)

## Professional Affiliations

**Member, IPC** – Association Connecting Electronics Industries, IPC-2578 Committee