
MISAEI TENORIO

DevOps & SRE

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PROFESSIONAL SUMMARY

Senior IT professional with 17 years of industry experience, specializing in Site Reliability Engineering (SRE) and DevOps for the last 12. Currently a Senior DevOps & Cloud Engineer at Tech Mahindra (for EY), leading infrastructure automation and CI/CD strategies while leveraging AI-assisted development (GitHub Copilot, Claude Opus) to manage complexity. Expert in architecting high-availability cloud environments on AWS and Azure, with a strong focus on FinOps, container orchestration (Kubernetes/OpenShift), and advanced observability. Builder of Trinitrade, a production-grade cloud platform run end-to-end as a single operator (100% IaC), and an invited university speaker on cloud infrastructure and DevOps.

CORE COMPETENCIES

- Cloud Platforms: Azure (App Service, Application Gateway, WAF, APIM, Cosmos DB, Keyvault), AWS (Lambda, EKS, ECS, RDS, S3, VPC, Transit Gateway).
- Infrastructure as Code (IaC): Terraform, ARM Templates, CloudFormation, Terragrunt, Ansible, Packer.
- Containers & Orchestration: Kubernetes (AKS/EKS), OpenShift, Docker, Docker Swarm, Fargate.
- CI/CD & DevSecOps: Azure Pipelines (YAML), GitHub Actions, Jenkins, Bamboo, SonarQube (Quality Gates), JFrog Artifactory.
- AI Integration: GitHub Copilot, Claude Opus (accelerating infrastructure logic and code performance).
- Observability & Monitoring: Datadog (APM & Security), Azure Monitor, AWS CloudWatch, New Relic, PagerDuty.
- FinOps: Cloud Financial Management, Rightsizing, Azure Reservations, Environment Hygiene.
- Management & Tools: Jira Administration (Scrum/Kanban/ITSM), Confluence Knowledge Management, Git, Python, Bash, Java.

SELECTED PROJECT

Trinitrade Production-grade cloud platform (architect, builder & operator)

mizolutions.com/trinitrade · github.com/mizolutions/trinitrade

- Designed, built, and operated an algorithmic-trading platform end-to-end on AWS as the sole engineer — correct, observable, auditable, and cost-disciplined.
- 100% Infrastructure as Code (AWS CDK, 19 CloudFormation stacks); ECS Fargate + RDS/TimescaleDB; keyless OIDC CI/CD (GitHub Actions + CodeBuild, no static cloud keys).
- SRE & observability: 11 Grafana dashboards, SLO-backed CloudWatch alarms with off-hours gating, multi-channel alert fan-out, split liveness/readiness health probes, and a tamper-evident audit hash-chain.
- FinOps: scale-to-zero cost-auto-stop scheduler + Cost Explorer audits — treated the monthly cloud bill as an SLO of its own.
- Engineering rigor: ran a pre-registered, bias-controlled research program and concluded it honestly via a documented stop-rule — prioritizing intellectual honesty over vanity metrics.

PROFESSIONAL EXPERIENCE

Tech Mahindra (Client: EY - Ernst & Young)

Senior DevOps / Cloud Engineer

Oct 2025 – Present | Remote

- CI/CD & Migration: Led the migration from Azure Repos to GitHub Actions, optimizing pipeline code performance and reliability.
- Infrastructure as Code: Developed and maintained IaC pipelines for the automated creation of WAF, Application Gateways, and Storage accounts.
- Kubernetes Management: Managed application deployments on AKS, ensuring optimal resource utilization and scalability.
- Quality & Governance: Designed complex Azure YAML pipelines incorporating Quality Gates (SonarQube) to enforce code standards and security.
- AI Implementation: Integrated GitHub Copilot and Claude Opus to accelerate infrastructure logic and navigate project complexity.
- Cloud Identity: Managed application registrations in Azure Active Directory (AAD) for secure service interactions.

Microsoft (via Ascension)

Cloud Engineer - Azure

Apr 2024 – Oct 2025 | Remote

- Administered Azure-based infrastructure, including virtual machines, networking, and storage using Azure Resource Manager and CLI.
- Implemented cloud infrastructure using Terraform, ensuring consistent deployment across multiple Azure subscriptions.
- Optimized monitoring solutions with Azure Monitor to detect and resolve infrastructure issues, ensuring high availability.
- Managed identity and access within Azure Active Directory (Azure AD), enforcing IAM best practices.
- Developed automation tools using PowerShell and Python to improve administrative efficiency.

Clip (Payclip)

Senior DevOps / Cloud Engineer

Dec 2017 – Apr 2024 | Mexico / Remote

- SRE Leadership: Managed a team of SREs, defining SLOs/SLIs and leading incident management to ensure reliability.
- EKS Mastery: Led the orchestration of all workloads using Amazon EKS, supporting millions of daily transactions with seamless scaling.
- FinOps: Implemented cost-saving measures including Azure Reservations and AWS resource optimization.
- Atlassian Admin: Installed and managed Jira Software and Confluence on AWS/Azure, automating ITSM workflows and documentation.
- Automation: Developed event-driven architectures and serverless applications using AWS Lambda, Python, and Bash.
- Globant | Senior DevOps Engineer
- Mar 2017 – Nov 2017 | Client: Fandango
- Managed CI/CD processes for high-traffic web applications using Docker, Docker Swarm, and Jenkins.
- Collaborated with development teams to design infrastructure configuration management processes using Chef.

EPAM Systems

DevOps Engineer

Dec 2015 – Feb 2017

- Automated build and deployment tasks using Bash and Jenkins on Linux environments.
- Optimized software development lifecycles by refining build and test processes in collaboration with developers.

Adquira (BBVA Subsidiary)

Programmer / Cloud System Administrator

Jan 2009 – Apr 2015

- Cloud Admin: Managed AIX/Unix Servers and IBM WebSphere, implementing performance tuning and monitoring.
- Development: Developed robust banking applications using Java (Spring, Hibernate) and automated bank reconciliation tasks.

SPEAKING & CONFERENCES

- **"Estrategias de Infraestructura en la Nube: Retos y Soluciones en DevOps"** — Invited speaker, EXPROY 2024 (30th anniversary), Universidad Tecnológica de Nezahualcóyotl (UTN). Nezahualcóyotl, MX — Jul 2024.
- **"Estrategias de Infraestructura en la Nube"** — Guest lecture, EXPOTEL 2024, Universidad Tecnológica de Nezahualcóyotl (UTN). Nezahualcóyotl, MX — 2024.
- **"Estrategias de Infraestructura en la Nube: Retos y Soluciones en DevOps"** — Invited speaker, Universidad Politécnica de Texcoco (UPTEx). Texcoco de Mora, MX — Nov 2024.

EDUCATION

BSc in Information Systems / Systems Engineering - (*Licenciatura en Sistemas Computacionales*)

Jan 2005 - Dec 2007

- Universidad Tecnológica de Nezahualcóyotl (UTN), 2007.

LANGUAGES

- English: Professional Proficiency.
- Spanish: Native Speaker.