

DERIC SAN ANDRES

DevOps Engineer | Cloud Infrastructure & AI Automation

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

DevOps engineer with a software engineering background, working across Azure infrastructure, CI/CD, and AI-enabled applications. Experience spans cloud operations, incident response, Python automation, and end-to-end application delivery.

EXPERIENCE

DevOps Engineer | MSTR

OCT 2025 - PRESENT

Core technologies: Azure, Pulumi, Infrastructure as Code, CI/CD, Azure OpenAI, Claude Code, Codex

- Serve as the sole infrastructure and DevOps engineer during a rapid deployment phase, owning infrastructure and releases across 8-15 projects and supporting 15 developers with technical guidance, deployment troubleshooting, and incident response.
- Architect cloud solutions across development, staging, and production, balancing reliability, security, performance, and cost; deploy AI models and supporting services to meet application and business requirements.
- Maintain and evolve Infrastructure as Code (IaC) using Pulumi, keeping environment configurations consistent, deployments repeatable, and infrastructure changes version-controlled.
- Contribute to engineering, maintenance, and cloud infrastructure optimizations estimated to deliver up to €100,000 annually in combined projected savings and cost avoidance.
- Serve as the technical liaison between founders, clients, and developers, translating requirements and coordinating delivery priorities; work with Azure and other vendors' support engineers to investigate issues, escalate blockers, and resolve service constraints.
- Apply security best practices across infrastructure and deployment workflows, including access controls, secret management, configuration reviews, and ongoing security maintenance.
- Translate recurring engineering patterns into reusable project, deployment, and CI/CD templates, with repository-specific CLAUDE.md and AGENTS.md instructions documenting architecture, development conventions, and validation workflows for Claude Code and Codex.
- Use Claude Code and Codex for agentic infrastructure development, deployment automation, and troubleshooting, with engineering review and validation of AI-generated changes.

Startup Software Engineer | Automa Solutions

AUG 2023 - AUG 2025

Core technologies: Python, GCP, AWS, Flask, Django, REST APIs, Docker, GitHub Actions, SQL, AI

- Operated as a multi-disciplinary engineer in a fast-paced startup, acting as a one-man team covering architecture, development, testing, and cloud engineering to deliver automation solutions under aggressive timelines.
- Developed web scraping systems with CAPTCHA bypass and human-like simulation, strictly targeting legally accessible public data (e.g., government sites).
- Integrated AI into automations, including summarizing voice recordings with Whisper and applying prompt engineering (K-shot, optimized prompts) for efficient, accurate results while reducing token usage. Leveraged GPT-4, Llama, and Claude for data summarization and analysis.
- Managed GCP cloud infrastructure: IAM, Secrets Manager, Cloud Scheduler, Cloud Run, Cloud Functions, Cloud SQL, Cloud Buckets, and API integrations. Designed ETL pipelines with GitHub Actions and Docker, leveraging containerization to streamline workflows.
- Established monitoring and incident response systems with Python logging and webhooks for Slack, Discord, and Twilio, enabling real-time alerts and fallback mechanisms.
- Conducted code reviews, managed pull requests, and implemented unit, integration, and regression testing. Applied SOLID, KISS, DRY, OOP, and clean code practices to build scalable, reusable, and maintainable systems.
- Delivered complete applications from scratch under tight deadlines. Built automations that streamlined business processes, improving productivity and client satisfaction.
- Engaged stakeholders through meetings and feedback sessions, ensuring delivered products met requirements and performed reliably.

TECHNICAL SKILLS

Cloud & DevOps	Azure, AWS, Google Cloud, DigitalOcean, Docker, GitHub Actions, GitLab CI/CD, Linux
AI Development	OpenAI/GPT, Claude, Llama, Whisper, prompt engineering, AI integration
Agentic AI Coding	Claude Code, Codex
Backend & Data	Python, Shell scripting, TypeScript, Flask, Django, REST APIs, Node.js, MySQL, PostgreSQL, MongoDB
Automation & Ops	Playwright, Selenium, n8n, Make, Zabbix, Prometheus, Grafana, Git, GitHub, Postman

EDUCATION & CERTIFICATION

BS Information Technology - Ateneo de Naga University
University and Government Scholar

JUN 2019 - JUN 2023

Oracle Generative AI Professional - 1Z0-1127-25

CERTIFICATION

SELECTED PROJECTS

MCP Server - Etherscan	Payment Tracker	CryptoTrade Tracker
Alumni Information System - Web	Alumni Information System - Mobile	

INTERESTS

Cloud and AI engineering, coding, reading, running, basketball, chess, travel, and golf.