DAVID CESAR NICANOR Y GARCIA

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CLOUD & DEVOPS ENGINEER | AWS INFRASTRUCTURE | SOFTWARE ENGINEER

PROFESSIONAL PROFILE

Information Technology Engineering Graduate specialized in AWS Cloud infrastructure and Linux administration. Passionate about DevSecOps, designing scalable architectures using Terraform, Docker, and Kubernetes, and automating CI/CD pipelines to ensure highly available, secure deployments.

PROFESSIONAL EXPERIENCE

Frontend Developer (Intern) | Full Stack (fstack-tech) | *August 2025 – February 2026*

- Developed dynamic user interfaces using React.
- Managed backend services using Docker containers.
- Integrated AWS S3 for asset management and consumed APIs backed by Amazon DynamoDB.
- Maintained version control with Git/GitHub within an AWS Serverless environment.

INDEPENDENT DEVELOPER EXPERIENCE

Cloud-Native Personal Portfolio (Serverless Architecture) | (https://dstfkutkn53kr.cloudfront.net/)
AWS, Astro, React, GitHub Actions | July 2026

- Deployed a high-performance web portfolio on AWS (S3, CloudFront), achieving ultra-low latency and zero-cost scaling.
- Automated deployments to AWS S3 and CloudFront using GitHub Actions, achieving continuous synchronization and reduced delivery times.

Cloud & DevOps Engineer (Thesis Project: Kuro Custom) | AWS, Terraform, Ansible, Kubernetes | August 2025 – October 2026

- Provisioned a highly available Multi-AZ AWS infrastructure (VPC, EC2, RDS, ALB) using Terraform modules and remote state management, achieving strict idempotency and eliminating configuration drift.
- Orchestrated a resilient multi-node Kubernetes cluster (Django/Astro) using kubeadm and Calico CNI, configuring Horizontal Pod Autoscaler (HPA) to dynamically scale from 2 to 5 replicas based on CPU saturation.
- Standardized Ubuntu 24.04 LTS nodes via Ansible and engineered GitOps CI/CD pipelines in GitHub Actions with Just-In-Time (JIT) SSH access, enabling zero-downtime deployments and reducing Disaster Recovery MTTR to under 4 minutes.
- Instrumented full-stack observability with Prometheus and Grafana, validating HA and auto-scaling performance against 30,000 concurrent requests via Apache JMeter while maintaining sub-second latencies and a 99.98%+ success rate.

E-commerce "Nordika" (Headless Architecture) (Live Demo: https://nordika-frontend-p.vercel.app/) |
Astro, React, Django, PostgreSQL, Render, Neon Tech | January 2025 – Present

- Developed a robust API (Django/PostgreSQL) for a scalable headless platform, focused on dynamic inventory management.
- Integrated payment gateways and automated shipping label generation via the SkydropX API.

PROFESSIONAL SKILLS

Soft Skills: Complex problem solving | Continuous learning | Collaborative work | Agile methodologies (Scrum) | Effective communication

Cloud & DevOps: AWS (EC2, VPC, RDS, S3, IAM), Terraform, Ansible.

Systems & Containers: Linux Administration (Fedora/Ubuntu, Native CLI), Bash/ShellScript, Docker, Kubernetes.

Integration & Networking: CI/CD (GitHub Actions), Git, TCP/IP Networking (Subnetting, DNS, NAT), Base Cybersecurity (IAM, UFW).

Development (Fullstack): Python (Django), TypeScript (React, Astro), PostgreSQL, REST APIs.

EDUCATION & CERTIFICATIONS

Information Technology Engineering | BUAP | (Thesis defense projected: October - November 2026).

AWS Solutions Architect - Associate | **Scrum Foundation Certificate: CertiProf.**

Google Cloud Engineer Training (CPFIA - 80 hours) | (Expected Completion: December 2026).

Graduate of AWS Academy and Cloud Quest: Security, Developing, Cloud Foundations, Cloud Practitioner, Solutions Architect.

Active Technical Preparation: Certified Kubernetes Administrator (CKA) and HashiCorp Terraform Associate.

LANGUAGES

Spanish (Native) | English (B1)