

Juan Mario Sosa Romo

 JSR-Mario |  Juan (Mario) Sosa |  jsr-mario.com |  juan.mario.sosa.p@gmail.com

SKILLS

Cloud & Infrastructure: AWS, Docker, Kubernetes, Linux, Bash, Grafana, Loki, Prometheus
Languages & Frameworks: Java, Python, TypeScript, Elixir, SQL, Redis, Spring Boot, Angular
Engineering & Tools: Microservices, RESTful APIs, CI/CD (GitHub Actions), LLMs

WORK EXPERIENCE

Systems Reliability Engineer @ Nutanix Feb 2026 – Present

- Troubleshoot and resolved complex technical issues and Kubernetes incidents using `kubectl`, `Bash`, and `awk`, supporting NC2 on Azure and critical system escalations.
- Supported infrastructure and networking operations, including VM provisioning, performance upgrades, and disaster recovery procedures.
- Conducted proactive analysis of customer install bases to identify vulnerabilities and minimize infrastructure downtime.
- Collaborated with development engineering teams and technology partners like AWS, VMware, and Microsoft to improve ecosystem performance.

Technical Support Professional Intern @ IBM Cloud Mar 2025 – Feb 2026

- Provisioned IBM Cloud infrastructure (VPCs, VSIs) and coordinated incident response via ServiceNow for enterprise accounts, ensuring SLA compliance and delivering clear, actionable updates to stakeholders.
- Automated monthly data extraction workflows from Cognos utilizing Python (RPA/browser automation) and Power BI, reducing manual reporting toil by 90%

Teaching Assistant – Programming Languages @ UNAM Jul 2025 – May 2026

- Engineered an automated assessment pipeline via Google Apps Script, dynamically generating 18 quizzes from PDF materials and aggregating performance metrics for 50 students, eliminating over 40 hours of manual administrative work.

PROJECTS

Cloud-Native Microservices Training Platform | <https://app.jsr-mario.com> Jul 2026

- Engineered a scalable microservices architecture (Java 21, Spring Boot, Angular, PostgreSQL, Redis) on AWS Lightsail with API Gateway rate limiting and L2 caching; integrated a centralized observability stack (Grafana, Loki, Promtail, Prometheus), Cloudflare Tunnels with Zero Trust Access, and automated DB backups to AWS S3.

Distributed Blockchain Simulation (Elixir) Dec 2024

- Developed a Byzantine fault-tolerant blockchain simulation utilizing Elixir’s actor model to manage distributed consensus and concurrent inter-process communication across network nodes.

EDUCATION

Aug 2022 – Jun 2026 Bachelor’s Degree in Computer Science at **U.N.A.M** GPA: 9.75/10

Aug 2021 – Jun 2022 Computer Technician at **U.N.A.M** GPA: 9.9/10

CERTIFICATIONS

Nutanix Certified Professional - Multicloud Infrastructure 6 (NCP-MCI) Jun 2026
Data Science and Machine Learning: Making Data-Driven Decisions | MIT IDSS Mar 2026
IBM Cloud Professional Architect Concepts V2 May 2025
Scrum Fundamentals Certified Jun 2026