

# Angel Ivan Vazquez Martinez

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## PROFESSIONAL SUMMARY

IT professional with 6+ years of experience in data analysis, risk engineering, and technology services, currently transitioning into Cloud Engineering and Cybersecurity. Skilled in designing operational dashboards, managing information flows across distributed teams, and applying structured risk analysis methodologies directly transferable to threat modeling and vulnerability assessment. Hands-on experience with Linux, AWS, Python, Bash, Docker, and network security tools. AWS Cloud Practitioner certified, with a strong analytical foundation and practical automation experience using n8n, shell scripting, and web deployment.

## CORE SKILLS

- Cloud Infrastructure & Services (AWS, Azure)
- Risk Analysis & Vulnerability Assessment
- Linux Systems Administration (Kali, Ubuntu)
- Data Pipeline Management & Dashboard Development
- Network Security & Endpoint Protection
- Workflow Automation & Scripting (Python, Bash, n8n)

## TECHNICAL SKILLS

**Languages:** Python, Bash, Shell Script, C, SQL, HTML, CSS, JavaScript

**Cloud Platforms:** AWS (Cloud Practitioner Certified), Microsoft Azure (Fundamentals)

**DevOps Tools:** Docker, Kubernetes, Terraform, Ansible, Jenkins, GitHub Actions, Git, GitHub, GitLab

**Databases:** SQL, NoSQL

**Operating Systems:** Linux (Kali, Ubuntu), Windows

**Networking:** TCP/IP, DNS, VPN, Domain Configuration, Firewall Concepts

**Security:** Wireshark, Nmap, Endpoint Vulnerability Management, Security Patching, Access Control, Data Confidentiality Protocols

**Data & Visualization:** Power BI, Tableau, Excel

## PROFESSIONAL EXPERIENCE

**Operations Assistant & Data Analyst | International Organization for Migration (IOM – UN) | Mexico–United States Border | December 2019 – Present**

- Designed and maintained operational dashboards in Power BI and Excel to monitor KPIs in real time for migrant data programs, supporting decision-making at national and international levels.
- Managed data and information flows across multiple geographically distributed teams in different states, ensuring consistency, quality, and timely data availability.
- Coordinated collection, cleaning, and processing of large volumes of operational and logistical migrant data, ensuring information integrity for executive reporting.
- Trained staff on digital platforms and data collection tools (MIMOSA), optimizing internal processes and reducing report generation time.
- Managed information coordination between government agencies, NGOs, and UN agencies under international data handling and confidentiality standards.

*Technologies used: Power BI, Excel, MIMOSA, SharePoint*

**Risk Engineer | EC4 Reinsurance Consulting | Mexico City, Mexico | January 2018 – December 2018**

- Implemented data analysis systems to evaluate operational risks in industrial facilities, processing large volumes of technical variables using specialized software (ALOHA, PHAST).
- Generated predictive scenarios and impact visualizations through computational simulations, integrating results into risk assessment dashboards.

- Applied structured risk analysis methodologies (HAZOP, What-If, Fault Tree Analysis) to identify vulnerabilities and assess failure probabilities in critical systems — directly transferable to cybersecurity threat modeling.
- Prepared detailed technical reports for energy sector clients, translating complex analyses into clear deliverables for technical and executive audiences.

*Technologies used:* ALOHA, PHAST, Excel, HAZOP, Fault Tree Analysis

### Freelance Technology Services | Independent | | 2024 – Present

- Developed and deployed websites for small businesses, managing hosting environments, domain configuration, and online service availability with basic security configurations and access management.
- Performed preventive and corrective maintenance on computers, managing system updates, security patches, software licensing, and endpoint vulnerability management.
- Designed and implemented automation workflows using n8n, integrating external applications and services to optimize operational processes and reduce manual tasks for small business clients.

*Technologies used:* n8n, Linux, HTML, CSS, JavaScript, cPanel, DNS management tools

## PROJECTS

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### Linux System Monitor | Bash, Shell Script

- Built a continuous system monitor script tracking CPU, memory, and disk usage in real time on Linux environments.
- Implemented automated alert triggers when usage thresholds are exceeded, simulating basic SIEM alerting behavior.
- Demonstrates hands-on Linux administration and security monitoring skills.

### Automated Daily System Log Backup | Linux Shell, Cron

- Automated daily backup of system log files using cron jobs, ensuring scheduled and reliable data preservation.
- Applied principles of data integrity and operational continuity relevant to cloud and security environments.

### Random Password Generator | Linux Shell Script

- Developed a shell script generating secure random passwords meeting specific complexity requirements (12 characters, mixed case, digits, special characters).
- Demonstrates understanding of password security standards and scripting for security tooling.

### Flappy Bird in C | C, ncurses

- Developed a terminal-based game using C and the ncurses library, implementing full game logic and rendering.
- Demonstrates low-level programming fundamentals and system-level development skills.

## EDUCATION

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### Petroleum Engineering | National Autonomous University of Mexico (UNAM) | Mexico City, Mexico

### Systems Engineering | Virtual University of the State of Guanajuato (UVEG) | Guanajuato, Mexico

### Diploma in Finance | Faculty of Accounting and Administration, UNAM | Mexico City, Mexico

## CERTIFICATIONS

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- AWS Certified Cloud Practitioner | Amazon Web Services | 2026

## LANGUAGES

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- Spanish – Native
- English – C1 Advanced
- Chinese (Mandarin) – HSK 2 (Basic)

## **ADDITIONAL INFORMATION**

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Humanitarian Experience: 6+ years supporting international humanitarian operations at the Mexico–U.S. border through IOM–UN, with direct exposure to data governance, inter-agency coordination, and large-scale operational management under international standards.