

FERDINAND MUNOZ

Technology Leader | Systems Engineer | Healthcare IT & Integration

San Antonio, TX · ferdinandmunoz.com · English & Spanish

SUMMARY

Technology leader and systems engineer with more than fifteen years of experience turning complicated operational requirements into dependable systems. Work spans healthcare interoperability, custom software, cloud infrastructure, cybersecurity, automation, web development and digital forensics. Bilingual in English and Spanish.

EXPERIENCE

Independent Contractor / Technology Consultant

Self-Directed · 2020 – Present

Concurrent with InnovativeGX role (2020–2024)

End-to-end technology consulting for healthcare organizations, laboratories, medical distributors, law firms, professional offices and growing businesses.

- › Designed and built DistroDocs, a full-stack medical-distribution platform handling inventory, order management, compliance documentation and reporting
- › Integrated EMR environments and automated administrative workflows for hospice and home-health organizations
- › Developed custom Python scripts for data extraction, transformation and healthcare-interface automation
- › Designed and launched customer-facing websites for healthcare and professional-services organizations
- › Managed cloud, email, domain, network and endpoint environments with HIPAA-aligned security practices
- › Provided digital-forensics analysis, custom technical tooling, evidence organization and courtroom exhibit support to a defense team during a year-long federal healthcare-fraud trial that concluded with acquittals

IT Director

InnovativeGX, LLC · 2020 – 2024

Led healthcare-system integration, cloud infrastructure, network security, development teams and mission-critical technology initiatives for a healthcare technology organization.

- › Directed integrations involving legacy EMR and LIS platforms — NovoPath, athenahealth, LIMSABC and eMDs
- › Engineered and oversaw AWS infrastructure with backup, restoration and fault-tolerant systems; maintained zero data loss
- › Led enterprise VPN and firewall implementations across multiple client locations
- › Managed and mentored a team of 14 full-stack developers
- › Coordinated technical vendors and stakeholders across multi-party healthcare-technology projects
- › Delivered complex projects within scope and schedule

EXPERIENCE (CONTINUED)

IT Help Desk / Healthcare Technology Support

Consultants in Pain Medicine, LLC · 2014 – 2020

Supported the technology environment serving more than 200 healthcare professionals.

- › Supported more than 200 healthcare professionals across clinical operations
- › Designed and implemented workflow-automation scripts that improved organizational productivity
- › Developed executive-level system-performance reports
- › Supported infrastructure-optimization and network-security initiatives
- › Managed endpoint, email and domain environments for a multi-location clinical practice

CORE CAPABILITIES

Technology Leadership

- Team leadership — 14 full-stack developers
- Vendor and stakeholder coordination
- Project scoping and delivery
- Cross-functional communication
- Strategic technology planning

Cloud & Infrastructure

- AWS architecture and administration
- Backup, restoration and fault tolerance
- Enterprise VPN design
- Cisco and SonicWall firewall administration
- UniFi network infrastructure

Cybersecurity & Compliance

- HIPAA-aligned security practices
- Email security — SPF, DKIM, DMARC
- Incident investigation and response
- Access control and policy enforcement

Healthcare IT & Interoperability

- EMR and LIS integration
- Bidirectional order and result workflows
- HL7 interface design and troubleshooting
- Hospice and home-health technology management
- Clinical operations support

Custom Software & Python

- Python scripting and automation
- Data extraction and transformation
- Database-backed application development
- Workflow automation design
- Full-stack development leadership

Digital Forensics & Litigation Support

- Digital evidence acquisition and analysis
- Cybersecurity incident investigation
- Federal and civil litigation support
- Expert technical documentation
- Findings communication for legal audiences

EDUCATION

Bachelor of Science, Computer Information Systems

Minor in Computer Science · Graduated 2010

ON THE WEB

ferdinandmunoz.com

fmunoz.tech · fmunoz.dev (all resolve to the same portfolio)