Manuel Alejandro Gauto
IT Professional
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Career Overview

Entrepreneurial, energetic, organized and knowledgeable IT professional specializing in workflow optimization. Highly personable and self-motivated individual with the flexibility to work in diverse and fast-paced environments. Excellent communication skills that translate to effective leadership and project management abilities. Trusted to make logical and sound decisions in high-stress situations. Experienced in directing teams under tight deadlines. Continuously focused on creating a great client experience in every environment and able to effectively communicate with both management and employees.

Qualifications

	Years		Years
Programming	8	Network Design	4
Linux Administration	7	Network Management	4
Application Design	5	Customer Service	4
Infrastructure Management	5	Workflow Optimization	4
Infrastructure Automation	5	Project Management	4
Windows Administration	5	Wireless Infrastructure Design	2

Education

- **Bachelor of Arts: Spanish Language and Latin American Studies**
  2013 - 2016 – George Mason University – Fairfax, Virginia
- **Master of Science: Telecommunications Engineering**
  2016 - 2018 – George Mason University – Fairfax, Virginia

Recent Relevant Accomplishments

- **Network Refresh and Redesign – Bishop O'Connell High School – 2016**
  Full multi-stage network redesign for 1500 user site. Firewall and routing were completely rebuilt. Solution was built on Brocade and Xirrus Switches.
- **Continuous Integration and Deployment System – FetchMe LLC – 2016**
  Developed and deployed a continuous integration system for building and deployment of customer applications. The system was built around Jenkins and integrated with Amazon Web Services to deploy Docker containers to the Amazon Elastic Container Service based on Git tags.
- **Ticket Management System – Bishop O'Connell High School – 2016**
  New ticketing system that was intended to improve the issue response time in a 1500 user environment. The system allowed for effective triaging and assignment of tickets. After 6 months, accountability increased and ticket response times dropped 75%.

- **Amazon Web Services Infrastructure and Design – FetchMe LLC - 2016**
  Created scalable and highly available hosting infrastructure on Amazon Web Services for microservice based application.
- **Continuous Integration and Deployment System – MG Enterprises – 2016**
  Continuous integration system for building and deployment of customer applications. The system was built around Jenkins and used various integrations to build and deploy application as both bare executables and Docker containers.
- **10 Gigabit Network Upgrade – Bishop O'Connell High School – 2016**
  Implemented 10 Gigabit core network redesign, from Cisco to Brocade, to facilitate network virtualization.
- **Order and Delivery Management Backend– FetchMe LLC – 2016**
  Backend application to manage customers, orders, items and dispatch for a delivery service. Managed and worked with team at another firm that was working on the frontend for the application.
- **Medical Record Management System – Clinica de San Pedro – 2016**
  Designed and began implementation of medical record system for new clinic in San Pedro, Paraguay.
- **PowerSchool Migration – Bishop O'Connell High School – 2015**
  PowerSchool installation was migrated from cloud deployment to an on-site installation.
- **RADIUS Authentication System – Bishop O'Connell High School – 2015**
  Implemented a RADIUS authentication system for wireless network.
- **OpenStack Private Cloud Deployment – Bishop O'Connell High School – 2015**
  Deployed OpenStack Kilo onto a cluster of Hewlett-Packard blades. The installation was orchestrated using Ansible. All logging and management was centralized.
- **CryptoLocker Remediation – Saint Thomas More Cathedral School – 2015**
  Diagnosed, measured and treated CryptoLocker infection through school networks. The impact was modeled and reported.
- **Monolithic Application Hosting on Amazon Web Services – IForCE LLC – 2015**
  Scalable and highly available hosting infrastructure on Amazon Web Services.
- **Network Redesign Consultation – Saint Michael School – 2015**
  Collaborated with school administration to create a plan for future network upgrades. The plan included a new network core and a wireless networking system. Furthermore, the implementation of Microsoft Active Directory was designed and recommended.
- **Online Virtual Lab Application – IForCE LLC – 2015**
  Online virtual lab designed using GNS3 and KVM for the virtualization of network and machines.
- **Online Classroom Web Application – IForCE LLC – 2015**
  Built an online class content management system for Cybersecurity training startup.
- **Software Project Management – GenFlow Studios – 2015**
  Helped design application architecture and onboard new developers onto the development program.
- **General Infrastructure Design Consultation – Skywire Fiber LLC – 2015**
  Assisted company engineer with design of supporting systems for new product offerings. Server workloads were modeled and possible infrastructure solutions were presented to the engineer for in-house implementation.