**Professional Summary**

Over the course of my career, I have gathered **nineteen** years of **information technology** experience, **eleven** years of **cross-functional management experience**, and **thirteen** years of **engineering experience**. This has helped me develop a wide understanding of how technologies work together, how teams are built and developed, and how team members are effectively managed.

**Summary of Qualifications**

|  |  |
| --- | --- |
| * ISA Certified Control Systems Technician * Previous ISA/NFPA Member * VMWare Experience (working on VCP-DCV Certification) * Cisco network experience * Great deal of experience with all Microsoft Operating Systems, Active Directory and Domain Infrastructure * Experienced in hardware/software interface programming using original code and building off existing code | * Experience with GE and Allen-Bradley PLC’s * AutoCAD * ORCAD/Cadence Design Suite * Experienced in advanced circuit design, circuit board planning and development * Competent in AC/DC Circuit Analysis * Project management experience * Leadership and management experience * Self-starter, works well with little or no supervision * Strong programming influence using BASIC/C#/C++/HTML/Ladder Logic/OOP |

**Professional Experience**

2014-Present **ArcelorMittal** East Chicago, Indiana

*Process Automation Engineer Technician*

* Assume responsibility for the reliability and high availability of all computerized control systems in the 80” hot strip mill, and quality department
* Design, install and support network architecture and infrastructure across Cisco networks with support from the network services teams while maintaining complete documentation
* Help design and support custom software, database creation and implementation as needed
* Design, implement and maintain the VMWare infrastructure for running critical mill operations
* Assist with work group management in an Active Directory domain infrastructure
* Sat on the Department Safety Committee
* Sat on the AMUSA Process Automation VMWare committee
* Developed policy for VMWare implementation to be implemented Americas wide
* Design and implement various systems upgrades as I see fit or as requested by the host department

(2014-2015) *Maintenance Technician Electrical/Instrument Service*

* Assume responsibility for all electric/electronic systems in the 80” hot strip mill
* Utilize prints/back sheets to troubleshoot circuits down to the component level
* Troubleshoot PLC’s and other computer integrated equipment, demonstrating the ability to learn complex computer-controlled systems quickly
* Perform calibration of sensing equipment and maintenance of associated documentation

2009-2013 **Riverview Hospital DBA Munster Med-Inn** Munster, Indiana

*Director of Plant Operations*

* Managed a $300,000 budget for building repairs and upgrades
* Managed and coordinated maintenance activities among on-site staff and outside contractors (IT, Electrical, HVAC, Fire Detection/Suppression Systems, Plumbing, Building and Grounds)
* Assessed, budgeted and executed building upgrades while minimizing labor requirements
* Wrote and enforced policy/procedure
* Executed NFPA, CMS, and DOHS requirements in accordance to Life Safety Code, building operations, and maintenance of proper documentation
* Co-chaired safety committee and was responsible for training over three-hundred employees in emergency response policy and protocols

2002-2009 **Digitalworks, Inc.**  Highland, Indiana

*Managing Director of Information Technology/Partner*

* Worked as lead technical advisor/project manager
* Designed and implemented new Digitalworks, Inc. proprietary products and

technologies, as well as developing game-plans for existing technology implementation and support for clients

* Worked as a Dell subcontractor with territories extending from the north side of Chicago, IL to Rensselaer, IN
* Managed various projects ranging from cabling jobs to medium sized server-client installations, data migration, and daily team tasking
* Oversaw daily network administration, including troubleshooting complex systems from multi-role servers to building wiring and CNC machines
* Managed human resources and was responsible for interviewing and determining technical abilities of new applicants, placing new hires into their appropriate team location, training and mentoring employees

Summer 2001 **Saint Margaret Mercy Hospital** Hammond, Indiana

*Biomedical Engineering Technician—Internship*

* Assisted with repairs and troubleshooting of varying types of medical equipment
* Safety-checked, repaired, and installed surgical equipment
* Worked closely on a microwave network bridge between hospital campuses

1998-2000 **School Town of Highland** Highland, Indiana

*Assistant to the Computer Coordinator*

* Provided key support for computer repair/upgrades and network administration at

the High School, Middle School and satellite grade schools

* In-serviced faculty members on how to use computers and new programs (including AutoCAD) in their classrooms
* Ran data cable, wired network cabinets, and verified terminations
* Worked extensively with Windows, MacOS, DOS operating systems and

applications, NOVELL Networks

**Special Projects, Awards and Education**

**Projects**

**ArcelorMittal**

* Design and install a new VMWare cluster to take advantage of extra server hardware resources and support business and production systems utilizing high availability, and fault tolerance technologies. This is also stretched across multiple sites for redundancy purposes via CISCO networks
* Lead project for virtualization of a high-speed surface inspection system
* Lead project to virtualize antiquated systems onto up-to-date hardware for easier administration and policy compliance
* Implement a high speed 10Gb network to facilitate SAN to VM cluster, and physical server to SAN connectivity over iSCSI
* Spearhead the hot strip mill’s video systems upgrade by building new server cluster alongside the old cluster, upgrading the dedicated video network, and testing the new systems for proper operation

**Riverview Hospital DBA Munster Med-Inn**

* Redesigned HVAC systems to take advantage of modern monitoring and control technology
* Drove a lighting upgrade project utilizing new technologies that resulted in an estimated 40% reduction in lighting energy costs and up to a 60% reduction in labor costs for lamp maintenance
* Supported budgetary reduction of the labor force by reorganizing staff responsibilities as well as utilizing newer technology
* Implemented projects to increase labor and energy efficiency, though not required by my employer, resulting in a 25% reduction of overall in-house labor cost without the use of contractors

**Digitalworks, Inc.**

* Successfully built a working team of thirteen professional IT personnel to handle an expanding area across multiple states
* Implemented, managed and sold DNOC proprietary systems health monitoring and proactive management. The system consisted of client software residing on endpoint systems that executes scripts to run scans, monitor overall system health and report back to our servers in the network operation center. This would flag a technician to respond
* Drove a 25% growth of gross annual revenues on a year-over-year basis through new client enlistment and improving existing customer satisfaction

**Purdue University**

In addition to my regular college coursework, I designed various types of circuitry, including:

* Circuitry to detect the onset of seizures and automatically page the on-call nurses or family members
* Circuits that constantly monitored hydroponics systems and signaled feeder units when and how much food was needed to replenish the available supply

**Awards**

**Purdue University Entrepreneurship Center**

* Technical Award for building an Automated Defense System, consisting of a targeting system using input from a standard webcam, and controlling the required hardware used to neutralize a moving target

**Education**

**Purdue University** Hammond, Indiana

Bachelor of Science, Electrical and Computer Engineering Technology, December 2003