

# Anthony Kosednar

+1.480.389.4103 // [anthony.kosednar@gmail.com](mailto:anthony.kosednar@gmail.com)

## EDUCATION

B.S.E., Aerospace Engineering, Arizona State University

Anticipated May 2016

## EXPERIENCE

### **Arizona Cyber Warfare Range, Mesa, AZ**

May 2015 – Present

*Software and Systems Engineer - Volunteer*

- Developed a versatile management system in Ruby for multi-datacenter virtual machine creation, deployment and management
- Instituted a hive based high availability service discovery and configuration system using Consul and Serf
- Developed unique secure enclaves for red team and blue team trainings by DoD personnel
- Unified production system environments and increased overall platform stability

### **360 Educational Solutions, Chandler, AZ**

February 2013 – Present

*Director of Technology*

- Developed technologies, strategies and policies while balancing cost and profit
- Hired and lead a remote full stack development team using Github, Jenkins Continuous Integration (CI), Trello, and Slack
- Instituted an agile development workflow, and unified development environment with Vagrant
- Developed and administered 200+ websites using Ruby on Rails, PostgreSQL, and Redis
- Increased revenue by over 280%

### **Ghost Orchid, Chandler, AZ**

August 2009 – May 2015

*Software Developer and Network Intrusion Analyst*

- Created unique hardware and software solutions for small businesses and enterprises
- Deployed and managed customer servers on cloud platforms - Azure, AWS, and Digital Ocean
- Discovered vulnerable infrastructure control systems and aided the DHS, FBI, and multiple government agencies in securing it
- Increased overall productivity and security of customer operations

### **TechnoKOZ, Gilbert, AZ**

July 2008 – July 2015

*Network and Systems Administrator*

- Consulted for critical infrastructure, such as sporting venues (Arizona Cardinals, Super Bowl XLIX)
- Used government tools and resources, such as the CSET, to evaluate Super Bowl XLIX's cybersecurity risk
- Created key cyber mitigation strategies and conducted reoccurring pentests with Metasploit to verify security
- Developed proprietary cybersecurity software and hardware to secure Super Bowl XLIX from cyber threat vectors
- Interfaced with key personnel and law enforcement to provide technical operational support
- Secured Super Bowl XLIX and instituted cybersecurity strategies to be used as a baseline for future NFL bowl games

## PROFESSIONAL ORGANIZATIONS

- InfraGard - *Membership Pending*
- North American Network Operations Group (NANOG)
- American Institute of Aeronautics and Astronautics (AIAA)
- National Society of Professional Engineers (NSPE)

## TECHNICAL SKILLS

- Development: MATLAB, Ruby, PHP, HTML5, JavaScript, MySQL, Python, Perl, Bash, AWS, Azure, Cordova
- Networking: TCP/IP (IPv4, IPv6), DNS, VPN, LAN, WAN, IDS, IPS, Snort
- Computer Science: Cyber Security, Data Mining, OSI Model, Operating Systems (Windows, Linux, and Unix)

## ADDITIONAL EDUCATION

### **Department of Homeland Security, Phoenix, AZ**

April 2015

*Industrial Control Systems Cyber Emergency Response Team*

- Cybersecurity for Industrial Control Systems – SCADA, DCS, PLC, Embedded Control (101, 201, 202)

### **Arizona State University, Tempe, AZ**

April 2010 – April 2012

*School of Mathematical and Statistical Sciences*

- Number Theory, Field Theory, Cryptography and Statistics (*Non-credit granting*)