

Rogelio Alvarado-Diaz

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EDUCATION

Iowa State University

Anticipated: December 2027

Bachelor of Engineering, Software Engineering

Ames, IA

- Minor: Cyber Security
- **Related Coursework:** Advanced Programming Techniques; Design and Analysis of Algorithms; Construction of User Interfaces; Application of Cryptographic Concepts to Cyber Security; Cyber Security Concepts and Tools; Database Management Systems

SKILLS

- Programming: JavaScript, Python, C++, Java, Git, SQL
- Tools: React, Node.js, Express, MongoDB, Microsoft Azure, Docker, pfSense, Fortinet, Wireshark, Nagios

PROJECTS

Virtualized Network

- Designed and deployed a virtual network in VMware vSphere, implementing a public-private architecture with a pfSense firewall to regulate traffic between public and internal network zones.
- Configured DNS servers (ns1 public, ns2 private) to manage internal and external domain resolution while maintaining network security. Deployed and administered Nagios for system monitoring and Wireshark for traffic analysis, enhancing network visibility and threat detection.

WORK EXPERIENCE

Wellabe Insurance

June – Present

Cloud Engineer Intern

Des Moines, IA

- Initiated the migration of Fortinet policies to Azure, establishing the groundwork for further secure cloud integration.
- Participated in the design and testing of disaster recovery strategies using Azure Site Recovery to ensure availability and business continuity across critical systems.
- Applied knowledge of networking principles to analyze resource usage patterns and contribute to cloud cost optimization by recommending cost effective Azure Solutions.

Best Buy

June 2024 – Present *Geek*

Squad

Ankeny, IA

- Provided expert technical support services for a wide range of technology products and assisted customers with diagnostics, installations, upgrades, and repairs.
- Educated customers on product features, software applications, and best practices for device maintenance and security.
- Consistently exceeded service metrics and contributed to revenue growth through customer care and technical insight.

LEADERSHIP & INVOLVEMENT

- **STEM Scholars Program (August 2023-Present)**
 - **Hacking and Cyber Security Club (Fall 2023-Present)**
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