JOHN **GARNSEY**

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EDUCATION

**BACHELOR OF SCIENCE
IN INFORMATION SYSTEMS**

Grand Value State University
2017 – 2021

- Minor in Business

**MASTER OF SCIENCE
IN CYBERSECURITY**

Grand Value State University
2021 – 2023

SKILLS

Programming Languages

- Python
- Java/Groovy
- JavaScript
- Microsoft SQL Server
- C
- C#

Platforms and Tools

- Windows
  - WireShark
- Linux
- Docker
- OpenShift
- Jenkins
- Windows Server
- NGINX
- Kafka
- Atlassian Tools
  - Jira/Confluence/Bitbucket
- Microsoft Tools

EXPERIENCE

AUTO-OWNERS INSURANCE

APPLICATION INFRASTRUCTURE ENGINEER

JUL 2022 – PRESENT
Grand Rapids, Michigan, United States (Remote)

Design and maintain application infrastructure while ensuring compliance with industry standards and corporate policies. Automate deployments, manage repositories, and implement security protocols to support efficient development lifecycles. Collaborate with stakeholders to optimize performance and provide technical support to developers and IT teams, leveraging expertise in CI/CD, scripting, and containerization.

- Enhanced scalability and performance by contributing to the modernization of over 200 Jenkins pipelines, transitioning from a legacy Windows server to a RHEL 8 distributed cluster.

- Implemented measures to convert application configurations into YAML format, enabling seamless integration with Helm for improved deployment consistency and scalability in Kubernetes environments.

- Managed a production Jenkins instance supporting nearly 1,000 jobs, ensuring reliability and scalability of the CI/CD pipeline. Oversaw plugin maintenance and updates to enhance functionality while enforcing strict security measures to mitigate vulnerabilities.

- Created a dynamic report of all pipeline metadata, configuration and parameters.

- Served as the primary point of contact for internal teams, providing timely resolution to infrastructure-related issues and addressing new feature requests. Triaged and prioritized inquiries, ensuring smooth operations and delivering solutions aligned with team and business needs.

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⊘ IT INTERN

MAY 2021 - NOV 2021
GRAND RAPIDS, MICHIGAN, UNITED STATES (REMOTE)

Supported network infrastructure by performing basic troubleshooting and configuration to maintain connectivity. Managed user accounts, including provisioning, access control, and password resets, in alignment with security protocols. Conducted hardware upgrades and system optimizations to enhance performance, gaining foundational experience in IT operations and security practices

- Designed and implemented a standardized imaging process for company computers, ensuring consistency, security, and compliance with organizational policies. Utilized automation tools to streamline deployment and minimize downtime, while applying configurations to meet security requirements and operational needs. Coordinated with team members to address challenges and ensure seamless rollout across all systems.

- Developed comprehensive, user-friendly documentation to assist employees with navigating new technologies and processes. Incorporated detailed step-by-step instructions with visual aids to ensure accessibility for users of varying technical proficiency. Emphasized security best practices in documentation to reinforce organizational policies and reduce user-induced vulnerabilities.

- Directed the modernization of company technologies by identifying outdated systems and implementing scalable, secure solutions. Coordinated cross-functional teams to execute upgrades with minimal disruption, ensuring compatibility and security throughout the process. Leveraged technical expertise to evaluate hardware and software improvements, focusing on performance optimization and future-proofing the infrastructure.
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⊘ DEVSECOPS INTERN

MAY 2020 - SEP 2020

REMOTE, MICHIGAN, UNITED STATES

Gained hands-on experience managing Kubernetes clusters and containerized applications, implementing Docker integration to streamline development workflows. Collaborated with DevOps teams to optimize CI/CD processes, authoring and maintaining YAML configurations while quickly mastering internal software systems.

- Deployed and fine-tuned Kubernetes clusters to support scalable, containerized application workloads. Configured and managed cluster resources, including namespaces, deployments, and ingress controllers, to optimize performance and reliability

- Created and optimized Dockerfiles and images, ensuring efficient resource utilization and security compliance. Provided training and documentation to team members to foster adoption and align with best practices.

- Administered and scaled containerized applications to meet project demands, ensuring seamless functionality under high-load scenarios. Utilized advanced orchestration techniques in Kubernetes to maintain service uptime and balance workloads across nodes.

- Worked closely with DevOps professionals to deepen understanding of advanced automation tools and infrastructure practices.

MASTERS PROJECT

Secure File Encryption/Decryption System

This project seeks to address the escalating need for robust user-friendly data protection solutions amid increasing cybersecurity threats. It achieves this goal by developing a unique comprehensive application that integrates advanced encryption algorithms into everyday data management.