

Michael Sorensen

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Software developer with experience in backend development, automation, and cloud-native technologies. Worked with Java, Go, Kubernetes, and OpenShift to support scalable enterprise solutions. Comfortable with scripting and automation using Bash and PowerShell. Holds a master's degree in Information Assurance and certifications in AWS and cybersecurity, with ongoing Red Hat OpenShift certification. Enjoys problem solving, learning new technologies, and collaborating in team environments.

Experience

Great West Casualty Company, South Sioux City, NE

Software Developer II

July 2024 – Present

- Developed and maintained IBM Cloud Pak for Business Automation platform and integrations with adjacent systems using Java, SQL, PowerShell, Bash, JavaScript and Dojo
- Developed Java-based solutions that interfaced with multiple enterprise APIs, such as FileNet and Guidewire, to enable seamless system interactions and data exchange
- Wrote Bash scripts to streamline functions in OpenShift, including a log collection tool to gather container level and file system logs, improving debugging efficiency
- Acquired OpenShift and Kubernetes skills through independent learning and formal training, bringing this skill set in-house and reducing reliance on external vendors, resulting in significant cost savings for the organization
- Developed a Go-based reporting tool that analyzed failed document processes. Queried MSSQL and Snowflake databases to validate claim numbers and ensure metadata accuracy

University of South Dakota, Vermillion, SD

Network Engineer

July 2023 – July 2024

- Deployed and maintained an enterprise-grade Cisco network infrastructure consisting of switches, firewalls, and access points
- Implemented an automated system for TLS certificate requests, renewals, and installation on IIS, and Tomcat servers running on Windows Server and Linux systems
- Managed AD and Entra ID users, computers, groups, and group policy to provision staff and applications with appropriate access to university IT resources
- Implemented a privileged access management platform and migrated secrets from the previous solution
- Configured and managed Linux and Windows servers in a VMware vSphere cluster
- Leveraged PowerShell scripting to automate tasks for daily and project work

Skills

- **Programming:** Java, JavaScript, SQL, Go
 - **Containerization & Orchestration:** Kubernetes, OpenShift, Docker, Helm, Kustomize
 - **Automation & Scripting:** Bash, PowerShell, YAML, Ansible (basic experience)
 - **CI/CD Tools:** Jenkins, Maven, Rational Team Concert, Git
 - **Platforms & Systems:** Red Hat Linux, Windows Server, VMware vSphere
 - **Networking & Security:** Cisco network infrastructure, Active Directory, TLS certificates
- Soft skills:** Productive in team-oriented & project-based work, Perceptive verbal & written communication, Able to learn quickly & independently
- **Certifications:** AWS Solutions Architect Associate, ISC2 Certified in Cybersecurity, Red Hat OpenShift Certified Administrator (EX280) - In progress

Education

St. Cloud State University, St. Cloud, MN

MS Information Assurance

Dec 2022

Course Highlights: Database Application Security, Cryptographic Protocols, Digital Forensics & Ethics, Wireless Networks, Cloud Networking, Intrusion Detection & Prevention, Security Policy & IT Risk Management

St. Cloud State University, St. Cloud, MN

BS Information Systems

May 2021

Course Highlights: Info Systems Strategy & Acquisition, Security Policy Design, Application Development, Database Administration, Discrete Mathematics, IT Infrastructure, Unix OS, Computer Networks, Enterprise Architecture, Systems Analysis & Design, Decision Support Systems