Vermillion, SD
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Michael Sorensen

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Experience

Great West Casualty Company, South Sioux City, NE

Systems 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, and JavaScript
- Developed solutions using Java 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
- Administered enterprise OpenShift clusters by supporting application uptime, troubleshooting deployments and operators, managing storage migrations, automating routine tasks, responding to incidents, and investigating root causes through log analysis
- Built a RESTful Spring Boot API to validate user-submitted identifiers in real time by querying internal systems and integrated it with a document upload plugin to help ensure accurate data
- Wrote a lightweight Go reporting tool that analyzed failed document processes by querying MSSQL and Snowflake databases to validate 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

- **Languages:** Java, SQL, JavaScript, Bash, PowerShell
- **Technologies:** Kubernetes, OpenShift, Docker, Podman, Helm, Kustomize, Jenkins, Maven, Git, Eclipse, JUnit testing, Postman, REST APIs, MSSQL, Snowflake, IPv4 Networking

- **Certifications:** Red Hat OpenShift Certified Administrator (EX280), AWS Solutions Architect Associate, ISC2 Certified in Cybersecurity
- **Soft skills:** Productive in team-oriented & project-based work, Perceptive verbal & written communication, Able to learn quickly & independently

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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