

Matthew MAURICE


DevSecOps (Developer | Systems Engineer | Site Reliability | IT | Security)

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 Life Long Learner, Eagle Scout

Developer and DevSecOps specialist seeking an

SKILLS

PROGRAMMING LANGUAGES : Java, Python, C, C++, R, C#

PROGRAMMING LANGUAGES (WEB) : HTML, CSS, Javascript, Php, Nodejs

DATABASE TECHNOLOGIES : Oracle Database, Microsoft SQL Server, MySQL, Aurora, Flyway

DEVELOPMENT TOOLS : Eclipse, Visual Studio, Pycharm, Maven, SVN, Git, Bamboo

OPERATING SYSTEMS : Windows Server 2003/2008, Windows 7/10, Linux (AWS | Ubuntu | Arch), Openstack

CLOUD TECHNOLOGIES : S3, EC2, Cloudformation, Terraform

CERTIFICATIONS : CompTIA A+, CompTIA Network+, CompTIA Security+, AWS SysOps

PROFESSIONAL EXPERIENCE

Current
June 2021

DevOps Engineer (cloud) | C2IMERA, Leidos Inc., BEAVERCREEK, Ohio

- Successfully managed multiple responsibilities as the sole DevOps Engineer on the team, effectively collaborating with cross-functional teams to meet project goals.
- Implemented an api gateway rollout strategy, enabling streamlined and secure communication between various microservices.
- Migrated over 1200 locally run tests onto AWS, reducing build times by over two hours and significantly improving software development efficiency.
- Proactively collaborated with security teams to implement and maintain best practices for securing cloud-based infrastructure and applications, including multi-factor authentication and encryption protocols.
- Partnered closely with development teams to implement automated testing and continuous integration processes, ensuring high-quality and consistent software releases.
- Designed and executed a Kafka-based infrastructure to successfully migrate a monolithic application into a microservice-based architecture, resulting in improved scalability, reliability, and agility.
- Designed and implemented an end-to-end build and deployment strategy for Git branches that can be executed with a single command, significantly reducing deployment time and effort.

May 2021
January 2019

DevOps Engineer | AIMES, Leidos Inc., BEAVERCREEK, Ohio





- Acted as a key contributor in developing a comprehensive DevOps framework for AIMES, which involved designing and implementing multiple systems and workflows to increase efficiency and productivity.
- Setup and managed a private PKI signing service that improved security and reduced dependencies on third-party services.
- Designed and established a centralized repository structure using Artifactory and Nexus that enabled the efficient archiving of artifacts and deployments, leading to faster development cycles and smoother operations.
- Created and maintained fully automated CI/CD pipelines for code deployment using Docker, Jenkins, AWS, and Vsphere. This involved extensive collaboration with development teams to ensure optimal integration of the pipelines with the software development lifecycle.

December 2019
January 2018

DevOps Engineer | Insite, Crown Equipment, NEW BREMAN, Ohio

- Created fully automated CI/CD Pipelines for code deployment using Docker, Bamboo, and AWS
- Maintained over 2000 active Pipeline builds for code written in Java, Nodejs, python, c++, c#, and matlab
- Developed Python and Shell scripts to help developers utilize AWS
- Developed Cloudformation templates for deploying aws cloud infrastructures as code
- Lead bi-weekly releases of a micro-service based application to an average of 150 AWS instances.
- Implemented secure user practices and principles to conform with ISO/IEC 27001
- Worked with Software Engineers, Product Managers, and QA Engineers in an Agile team environment

September 2017	Graduate Research Assistant Web and Complex Systems Lab, Wright State University, DAYTON, Ohio
September 2014	<ul style="list-style-type: none"> Developed multi-language software platform for data analysis Integrated and coordinated software from multiple developers Published <i>WAMINet: An Open Source Library for Dynamic Geospace Analysis Using WAMI</i> Helped found the Web and complex systems laboratory <div>Java R Python HTML Javascript Maven Git</div>
August 2014	Assistant Systems Administrator Kno.e.sis Research Center, Wright State University, DAYTON, Ohio
January 2014	<ul style="list-style-type: none"> Successfully fulfilled various technical roles as the sole support member for Kno.e.sis Research Center, ensuring that all technical issues were promptly resolved Maintained email, project, and web servers to ensure optimal performance and minimize downtime Created and maintained an Openstack virtualization cluster containing over 70 nodes, which increased computing capacity and efficiency for research activities Conducted regular system backups, monitored system logs, and implemented security protocols to ensure the safety and integrity of all data and systems <div>Linux Openstack Windows Server Networking Technical Support</div>
December 2014	Assistant Systems Administrator Department of Computer Science and Engineering, Wright State University, DAYTON, Ohio
April 2012	<ul style="list-style-type: none"> Maintained lab computers by installing operating systems and security patches to ensure optimal performance and security. Installed and cataloged lab equipment, including building custom computers for staff and faculty, to ensure that equipment is up to date and functioning correctly. Assisted System Administrator with daily tasks such as network and server maintenance, ensuring smooth and efficient operations. Utilized Windows and Linux operating systems and Acronis backup software to maintain system backups and ensure data recovery in case of system failure. <div>Windows Linux Acronis</div>
December 2014	Programming Tutor Department of Computer Science and Engineering, Wright State University, DAYTON, Ohio
April 2012	<ul style="list-style-type: none"> Instructed students in Java Programming assignments, providing guidance and feedback on programming concepts and assignments to help them achieve their academic goals. Conducted one-on-one and group tutoring sessions, tailored to meet the needs of individual students, and provided guidance on a wide range of topics including object-oriented programming, algorithms, and data structures. Assisted System Administrator with daily tasks, including managing and maintaining Windows and Linux systems, installing software, and troubleshooting technical issues to ensure smooth operation of the department's infrastructure. Maintained a positive and supportive learning environment, promoting engagement and learning among students with diverse backgrounds and skill levels. <div>JAVA C++</div>
December 2011	Web Development Intern Edict Systems, DAYTON, Ohio
January 2011	<ul style="list-style-type: none"> Programmed business translations for Electronic Data Interchange (EDI) financial transactions, utilizing my knowledge of XML and its manipulation using XSLT and XQuery. Designed and created a standardized set of XSLT datatype filters for data validation, which improved the accuracy and efficiency of data processing. Collaborated with cross-functional teams of developers, quality assurance testers, and project managers to ensure timely and successful completion of various projects. Assisted in the design and development of web-based applications using various technologies, including HTML, CSS, and JavaScript. Demonstrated strong communication skills, both written and verbal, in collaborating with team members and presenting work to customers. <div>HTML JavaScript XML XSLT XQuery</div>

EDUCATION

2014	Bachelor of Science in Computer Engineering from Wright State University
2012	Associate of Applied Science in Computer Security from Sinclair Community Collage (Computer Information Systems/Secure System Administration NEMA.S.AAS)
2012	Associate of Applied Science in Software Development from Sinclair Community Collage (Computer Information Systems/Software Development SODE.S.AAS)