

# Matthew MAURICE


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

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 Life Long Learner, Eagle Scout

## SKILLS

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

WEB LANGUAGES : HTML, CSS, Javascript, Php, Nodejs

DATABASES : Oracle, Microsoft SQL Server, MySQL, Postgres, DynamoDB

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

OSs : Windows 7/10, Linux (AWS | Ubuntu | Arch), Openstack

CLOUDS : AWS, Google, Azure

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

## 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)

## 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.

Java AWS Terraform Kafka Kong CI/CD Gradle

May 2021  
January 2019

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

- 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, ensuring optimal integration of the pipelines with the software development lifecycle.
- Collaborated closely with Software Engineers, Product Managers, and QA Engineers in an Agile team environment to ensure optimal integration of the pipelines with the software development lifecycle.

Python AWS Atlassian CI/CD Git Jenkins

December 2019 January 2018	<b>DevOps Engineer   Insite, Crown Equipment, NEW BREMAN, Ohio</b> <ul style="list-style-type: none"> <li>➤ Designed and implemented fully automated CI/CD pipelines for code deployment using Docker, Bamboo, and AWS, resulting in significant time savings and increased efficiency for the development team.</li> <li>➤ Maintained and managed over 2000 active pipeline builds for code written in multiple programming languages, including Java, Nodejs, Python, C++, C#, and Matlab, ensuring smooth and seamless code deployment.</li> <li>➤ Developed Python and Shell scripts to optimize the utilization of AWS resources, increasing the performance, reliability, and ease of use of the cloud infrastructure.</li> <li>➤ Created and managed Cloudformation templates for deploying AWS cloud infrastructures as code, simplifying the process of deploying and maintaining cloud infrastructure.</li> <li>➤ Successfully led bi-weekly releases of a micro-service based application to an average of 150 AWS instances, ensuring smooth and timely software releases.</li> <li>➤ Implemented secure user practices and principles to conform with ISO/IEC 27001, ensuring the highest level of security for the cloud infrastructure and applications.</li> </ul> <div>Python AWS Cloudformation Atlassian CI/CD Git</div>
September 2017 September 2014	<b>Graduate Research Assistant   Web and Complex Systems Lab, Wright State University, DAYTON, Ohio</b> <ul style="list-style-type: none"> <li>➤ Collaborated with a team of developers to create a multi-language software platform for data analysis</li> <li>➤ Published research paper titled <i>WAMINet : An Open Source Library for Dynamic Geospace Analysis Using WAMI</i> showcasing software development skills and research accomplishments</li> <li>➤ Co-founded the Web and Complex Systems Laboratory to promote interdisciplinary research and development</li> <li>➤ Coordinated with research advisors and team members to ensure software met project requirements and timelines</li> </ul> <div>Java R Python HTML Javascript Maven Git</div>
August 2014 January 2014	<b>Asst. Systems Administrator   Kno.e.sis Research Center, Wright State University, DAYTON, Ohio</b> <ul style="list-style-type: none"> <li>➤ Successfully fulfilled various technical roles as the sole support member for Kno.e.sis Research Center, ensuring that all technical issues were promptly resolved</li> <li>➤ Maintained email, project, and web servers to ensure optimal performance and minimize downtime</li> <li>➤ Created and maintained an Openstack virtualization cluster containing over 70 nodes, which increased computing capacity and efficiency for research activities</li> <li>➤ Conducted regular system backups, monitored system logs, and implemented security protocols to ensure the safety and integrity of all data and systems</li> </ul> <div>Linux Openstack Windows Server Networking Technical Support</div>
December 2014 April 2012	<b>Asst. Systems Administrator   Department of Computer Science, Wright State University , DAYTON, Ohio</b> <ul style="list-style-type: none"> <li>➤ Maintained lab computers by installing operating systems and security patches to ensure optimal performance and security.</li> <li>➤ Installed and cataloged lab equipment, including building custom computers for staff and faculty, to ensure that equipment is up to date and functioning correctly.</li> <li>➤ Assisted System Administrator with daily tasks such as network and server maintenance, ensuring smooth and efficient operations.</li> <li>➤ Utilized Windows and Linux operating systems and Acronis backup software to maintain system backups and ensure data recovery in case of system failure.</li> </ul> <div>Windows Linux Acronis</div>
December 2014 April 2012	<b>Programming Tutor   Department of Computer Science, Wright State University , DAYTON, Ohio</b> <ul style="list-style-type: none"> <li>➤ Instructed students in Java Programming assignments, providing guidance and feedback on programming concepts and assignments to help them achieve their academic goals.</li> <li>➤ 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.</li> <li>➤ Maintained a positive and supportive learning environment, promoting engagement and learning among students with diverse backgrounds and skill levels.</li> </ul> <div>JAVA C++</div>