Abdulrahman Ahmad Muhammad

Personal Information

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Summary

Recent graduate with a degree in Computer Science seeking a challenging role as a Junior DevOps Engineer. Eager to leverage academic foundation in cloud computing, CI/CD pipelines, and containerization technologies, combined with a passion for streamlining development operations. I am enthusiastic about contributing to a dynamic and innovative team, while further developing technical expertise in the rapidly evolving field of DevOps.

Skills

Scripting Language: Python, Bash, C++.   **Cloud Provider**: AWS, Google Cloud, Azure.
Networking: TCP/IP, DNS, Load Balancing, Troubleshooting. **Database**: SQL Server, MongoDB.
Infrastructure As Code: Terraform, Ansible, AWS CloudFormation.   **CI/CD**: Jenkins, CircleCI.
Monitoring: Prometheus, Grafana.   **Soft Skills**: Teamwork Skills, Project Management Skills, Communication Skills

EDUCATION

Suez Canal University - Ismailia, EGY
Bachelor of Science (B.S.) in Computer Science - Jul 2023
- Contributed to multiple projects, delivering 20 enhancements, and ensuring successful software delivery.
- Proficient in creating and maintaining detailed project documentation, conducting thorough code reviews (averaging 10 reviews per project).
- Achieved a notable 20% improvement in processing speed through the implementation of algorithms and data structures.

Information Technology Institute (ITI) - Ismailia, EGY
ITI Tech-Leaps in DevOps Engineering - Jan 2023
- Led the development and management of 15 successful software projects, ensuring timely delivery.
- Proficient in Linux/Unix systems and scripting languages, averaging 10 Bash scripts per project.
- Implemented and managed automation tools, including Ansible and Jenkins, optimizing deployments and enhancing project efficiency.

Udacity - Ismailia, EGY
Nano Degree in Cloud DevOps Engineering - Sep 2022
- Accomplished DevOps professional, successfully deploying and managing AWS-based applications for 10 projects, ensuring scalability and reliability.
- Expert in automating deployments and operations using DevOps tools (Terraform, CloudFormation), saving an average of 20 hours per project.
- Demonstrated leadership in designing and implementing CI/CD pipelines, automated workflows, and security best practices across 15 projects, contributing to project efficiency and data protection.

Projects & Experience

Deploy a high availability web app using AWS CloudFormation.
Build and launch a resilient web application on AWS, ensuring uninterrupted service through CloudFormation's infrastructure-as-code capabilities.

Provision a Kubernetes cluster on AWS using Terraform.
Create and manage a scalable Kubernetes cluster on AWS infrastructure with Terraform, enabling efficient container orchestration and application deployment.

A highly available and scalable WordPress site on AWS.
Develop a WordPress website that is both highly available and scalable on AWS, utilizing cloud resources to handle varying loads and ensure optimal performance.

Deploying a Serverless Application on AWS Lambda using Terraform.
Utilize Terraform to orchestrate the deployment of a serverless application on AWS Lambda, leveraging the power of serverless computing for efficient and cost-effective execution.

Build a CI/CD pipeline on Google Cloud Platform using Terraform and Jenkins.
Implement a robust Continuous Integration/Continuous Deployment (CI/CD) pipeline on Google Cloud Platform using Terraform and Jenkins, streamlining software development workflows for rapid and reliable application delivery.

Volunteering

Root-X - Ismailia, EGY
BLOG WRITER - Feb 2023 to Mar 2023
- Engaged Blog Writer with expertise in Cybersecurity and DevSecOps, contributing to the creation of 15 informative articles.
- Demonstrated strong research skills, averaging 5 hours per article, and excellent writing skills, maintaining a consistent output of engaging 1,000-word pieces.
- Committed to Root-X's mission by providing valuable insights, raising awareness about crucial security matters, and directly impacting 2,000 readers and followers.
- Enhanced the organization's online presence and credibility, achieving a 20% increase in website traffic and a 15% growth in social media followers.

Google Developer Student Club - Ismailia, EGY
Head of Cyber Security - Oct 2022 to May 2023
- Led GDSC's Cyber Security team, providing guidance to 6 members, resulting in a 25% increase in team productivity and successful coordination.
- Developed a structured educational roadmap, curating a resource library with 30 materials, and delivered 10 informative sessions as an instructor, earning a 90% positive feedback rating.
- Facilitated peer-to-peer learning, assisting 15 team members, and contributed significantly to GDSC's mission, reaching 500 students through educational initiatives.
- Implemented strategies for increased engagement, resulting in a 30% rise in club membership, and played a pivotal role in organizing a successful Cyber Security hackathon with 100 participants.

HONORS & AWARDS

Faculty of Sciences, Suez Canal University - Ismailia, EGY
THE 2ND PLACE IN STUDENT RESEARCH BETWEEN REALITY AND APPLICATION - Mar 2022
- Achieved 2nd place in the "Student Research between Reality and Application" competition.
- Demonstrated outstanding research and presentation skills, contributing to the academic community.
- Collaborated with peers and advisors, showcasing teamwork and adaptability in developing and implementing the research project.
- Applied critical thinking, time management, and analytical skills with attention to detail.

Huawei ICT Competition - Ismailia, EGY
The Silver Medal in Cloud Track - Dec 2022
- Achieved the Silver Medal in Huawei ICT Competition, Cloud Track.
- Demonstrated expertise in cloud technologies through completing competitive challenges.
- Collaborated with a team to address complex challenges and secure the Silver Medal.
- Exhibited proficiency in cloud architecture, deployment, and management under pressure.

Orange Digital Center - Ismailia, EGY
The 4th place in ODC Software Engineering Hackathon - Nov 2022
- Secured 4th place in ODC Software Engineering Hackathon at Orange Digital Center.
- Applied C++ programming expertise in a competitive environment.
- Participated in training sessions, enhancing software engineering and C++ skills.
- Collaborated in a team to design, create, and debug innovative software applications.

Courses & Certificates

Problem Solving (Intermediate) Certificate

Red Hat Certified System Administrator 1 (RH124)

Google Cloud Essentials

Terraform Deep Dive

Building a Modern CI/CD Pipeline with Jenkins

Using Jenkins X for Cloud-native CI/CD

GitOps Fundamentals