ADITYA KAR

GitHub 🔗 | Linkedin 🔗 | Credly 🔗 | ✉ akar3@uco.edu | 📞 (405) 430-7955

CERTIFICATIONS

Microsoft Certified: Azure Administrator Associate | CompTIA Security+ CE | (ISC)^2 Certified in Cybersecurity^{SM} - CC | CLF-C01 - AWS Certified Cloud Practitioner | AZ-900 - Microsoft Certified: Azure Fundamentals | CompTIA Network+ CE | CompTIA A+ CE

PROJECTS

Web Store Application (Full-Stack: Vanilla JS w/ Google Cloud Platform)

Part 1: https://youtu.be/LTLjsQ5s5AE | Part 2: https://youtu.be/zXHIh9NzpiI | Part 3: https://youtu.be/Z7GcH7hR3VQ   Code 🔗

Settlers of Catan – Capstone Project (C#, Unity, ASP.NET, Blender)

https://www.veed.io/view/fc64a54a-52ca-425d-b680-3e94c323107c?panel=share

My-Reddit-App (Full-Stack: React, HTML, CSS, JavaScript, MySQL, Node.js, CICD, Netlify)

https://my-reddit-2023.netlify.app/   Code 🔗

EDUCATION

University of Central Oklahoma - Bachelor of Science **(Graduated!)**   **Aug 2017 – Dec 2022**

Major: Computer Science | Minor: Mathematics

ACADEMIC ACHIEVEMENT

- Dean's Honor Roll – Fall 2021
- UCO Foundation Scholarship

EMPLOYMENT

INDIANA UNIVERSITY - Full Stack Web Developer, Indianapolis, IN   **Oct 2023– Current**

- Design, develop, and maintain front-end and back-end technologies for the SAVI Community Information System and related products using a wide range of technologies including JavaScript, HTML, CSS, GitHub, Docker, Kubernetes, Helm K8s package manager, Node.js, and Golang.
- Collaborate with clients, front-end designers, data analysts, and database administrators to spearhead successful IT product development, while proficiently integrating data and user input through REST and various API protocols.
- Apply my expertise in code maintenance, continuous integration, and continuous delivery (CI/CD) pipeline strategies using GitHub actions, along with proficiency in testing, beta-to-production deployment strategies, and microservices, to develop information technology products serving community and university partners.
- Develop and implement data visualizations utilizing advanced tools and technologies such as ESRI ArcGIS APIs, Leaflet, Google Map APIs, and create custom visualizations using D3.js.
- Collaborate with the Systems Engineering Leader to tune microservices environment.

LOVE'S TRAVEL STOPS & COUNTRY STORES, INC - Cloud Security Engineer I, Oklahoma City, OK   **Jan 2023– Oct 2023**

- Internship mentor for Cloud Security Intern FY 2023
- Created Splunk dashboards for Azure DevOps, GitHub, Azure Cloud, and the Cloud Inventory dashboard.
- Centralized logs in Splunk from Love's Azure Cloud.
- Centralized logs in Splunk from O365, including SharePoint logs, Exchange Email logs, and CASB logs.
- Enabled Okta MFA for O365 application for corporate employees and contractors.
- Wrote and implemented security policies related to CIS, PCI, and other compliance standards. Improved Love's CIS from score
- 30% to 90%
- Architected cloud network posture, examined the security gap, and remediated them using auto-remediation automation scripts.
- Led application security (SAST and DAST) projects using GitHub Advanced Security and Veracode.
- Led API Security Projects using Imperva

LOVE'S TRAVEL STOPS & COUNTRY STORES, INC - Cloud Security Engineer, Oklahoma City, OK   **Aug 2022 – Dec 2022**

- Worked with three of the major cloud platforms; AWS, Microsoft Azure, and GCP.
- Mainly handled Azure security for the entire company.
- Enabled CIS, PCI, and best practices for Love's multi-cloud environment.
- Designed the flow for the security logs to our main SEIM Splunk and implemented.
- Monitored, reported, and resolved security alerts. Automating the remediation for medium/low findings.
- Documented the security gaps and security findings associated with our cloud services and servers.
- Enabled CI/CD practice to secure development lifecycle builds.

LOVE'S TRAVEL STOPS & COUNTRY STORES, INC - DevOps Engineer, Oklahoma City, OK   **May 2022 - Aug 2022**

- Built production web services servers in Amazon AWS and Microsoft Azure to host Love's main web applications.
- Used Splunk – SEIM (Security Information and Event Management System) to parse system event logs and create reports.
- Managed application permissions – Azure DevOps, Internal Portal, AppDynamics, and more, to have proper access control.
- Handled mobile deployments and modeled digital boards to have smooth agile project management.
- Automated tasks using PowerShell script and built Microsoft Azure pipelines to support the deployments with different environments.

UNIVERSITY OF CENTRAL OKLAHOMA - Assistive Tech Specialist, Edmond, OK   **Jan. 2022 - May 2022**

- Coordinated alternative print requests for the alternative formatted textbook and text materials.
- Supervised the alternative prints, and assistive/adaptive technology and provided statistics as requested. Quantified where possible.
- Created and conducted training sessions regarding the use of assistive/adaptive technology and accessible material for faculty/staff/students.
- Researched, evaluated, created, and recommended innovative assistive/adaptive technology resources and tools in accordance with federal and state law for ADA stations and serves as a resource for the university community.
- Laid out problem solving strategies for DSS computers as well as maintained assistive/adaptive technology installed in the ADA workstations and coordinating repairs.
- Hired and trained lab technical student workers to assist in completing essential job functions as needed such as preparing assistive materials, managing test takers, computer maintenance, and more.

UNIVERSITY OF CENTRAL OKLAHOMA - IT Lead Technician, Edmond, OK   **Jan. 2020 - Jan. 2022**

- Coded PowerShell scripts to automate deployments, generate data, software installation, and such.
- Trained new technicians on the ticket management system, Active Directory, Windows/Mac imaging methods, troubleshooting steps, hardware, software, and more via practical projects.
- Debugged different kinds of technology related issues (every day was a new day at work).
- Responsible for pickup/delivery, imaging/setup of end user technology resources.
- Troubleshot client incidents which were reported and assigned through Team Dynamix.
- Communicated with clients and OIT staff through Outlook email and Microsoft Teams app.

Troubleshot and resolved issues related to Windows, Mac OS, VoIP Cisco Phones.

SKILLS

TECHNICAL SKILLS: Data Structures and Algorithms; System design; Amazon AWS; GCP; Microsoft Azure; Rapid 7; Sentinel One; Secure Code Review; Splunk; Palo Alto Firewalls; Threat Modeling; Security Automation; Network Security; Enterprise Architecture; Docker; Application Security; Secure Coding; Kubernetes; Detection and Prevention; Mobile Security; Security Audit; Security Testing; Wireshark; Threat Assessment; API Security; REST; Security Compliance; Security Infrastructure; SQL; KQL; Microsoft Office; Active Directory; Git; GitHub; Agile Methodologies; CICD pipelines; Automation Tools; Bash Scripting; Security Analysis; Network Protocols; Regulatory Compliance; Terraform; Identity Management; Cryptography.

PROGRAMMING LANGUAGES: Python; PowerShell; Java; JavaScript; TypeScript; HTML; CSS; C#; .Net; MySQL; PostgreSQL; Php.

FRAMEWORK: React; Angular; Vue.js

SOFT SKILLS: Communication; Diversity; Influence; Motivated; Passion; Supporting; Knowledge Sharing; Teamwork; Coordination; Dependability; Focused; Independent; Integrity; Monitors; Strategic; Flexible; Leadership; Resilience; Passionate; Collaborative; Proactive; Efficient; Collaborate; Dedicated; Guidance; Prioritizing; Verbal Communication; Writing; Written.