


ADITYA KAR

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CERTIFICATIONS


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

PROJECTS

Weather App 2.0 (Vanilla JS, HTML, CSS, Session Storage, Local Storage, Bootstrap, OpenWeatherMap API, Open-Meteo API, CICD) [Code](#) 
<https://akar016012.github.io/WeatherApp2.0/>

Web Store Application (Full-Stack: Vanilla JS w/ Google Cloud Platform) [Code](#) 
Part 1: <https://youtu.be/LTLjsQ5s5AE> | Part 2: <https://youtu.be/zXHlh9Nzpii> | Part 3: <https://youtu.be/Z7GcH7hR3VQ>

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) [Code](#) 
<https://my-reddit-2023.netlify.app/>

EDUCATION

University of Central Oklahoma - Bachelor of Science (Graduated!) Aug 2017 – Dec 2022
Major: Computer Science | Minor: Mathematics

ACADEMIC ACHIEVEMENT

- Dean's Honor Roll 2021
- Jafar Farzaneh Endowed Scholarship 2021

EMPLOYMENT

INDIANA UNIVERSITY

Full Stack Web Developer (Full-Time) | 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.
- Build CI/CD pipelines using GitHub actions to automate the code integration and deployment. The pipelines help us in performing proper testing of the code before deploying it to the production environment. I initiated this proper CICD code deployment culture at Indiana University Indianapolis.
- 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.
- Develop new CRUD APIs in Golang to interact with databases such as PostgreSQL, SQL Server, and Oracle. In addition, maintain existing APIs by adding new routes as needed, implementing security enhancements, and migrating APIs (for example, from .NET to Golang) when necessary.

LOVE'S TRAVEL STOPS & COUNTRY STORES, INC

Cloud Security Engineer I (Full-Time) | Oklahoma City, OK Jan 2023– Oct 2023

- Mentored interns during their internship at Love's for the information security department.
- Led API security project at Love's and secured about 10+ APIs which talked to our major applications. During this process I coordinated with our developers to successfully resolve the security gaps related to unauthenticated APIs, excessive data exposure, and publicly exposed API endpoints. We used Imperva's API tool to find the gaps.
- Coded and implemented MS Azure security policies to auto-remediate compliance control policy violations and this raised our CIS score from 30% to 90%. This was a great achievement because it made our MS Cloud more secure and tightened the security at the production level.
- Led OKTA MFA for O365 projected and coordinated with IDM team, DevOps team, Developers, change management team, and corporate employees to execute the implementation.
- Led application security project (SAST) during which I worked with the developers and DevOps team to implement GitHub Advanced Security and Veracode into the CICD pipeline for automatic code scanning for hard-coded secrets, and other code related vulnerabilities.
- Built Splunk dashboards for our cloud solution for the CISO to show all the security related events and an inventory of all our cloud related services.

LOVE'S TRAVEL STOPS & COUNTRY STORES, INC

Security DevOps Engineer (Intern) | Oklahoma City, OK Aug 2022 – Dec 2022

- Monitored, reported, and resolved security alerts related to our MS Azure, Amazon AWS, .NET, and NodeJS APIs, as well as application security. Automated the remediation for high, medium/low findings.
- Wrote SPL queries in Splunk to centralize logs from all our cloud services. Created tables from these logs, which I later used to create a centralized dashboard. This dashboard displayed compliance scores, non-MFA logins, user login locations, and an inventory of all the cloud services we used from AWS and Azure.
- Designed architectural diagrams to show the flow of various types of logs from MS Azure to Splunk cloud, and coordinated with other security engineers, DevOps engineers, and developers to deploy the solution which piped all out MS Azure cloud related logs to Splunk via Event hubs and Azure storages.
- Audited the entire Love's Microsoft Azure cloud to find CIS, Azure Best Practices, and PCI compliance control violations. Wrote Azure policies to automate the remediations.

LOVE'S TRAVEL STOPS & COUNTRY STORES, INC

DevOps Engineer (Intern) | Oklahoma City, OK

May 2022 - Aug 2022

- Developed a PowerShell script to automate weekly server log cleanup, significantly reducing manual work and freeing up server space.
- Created a Cisco AppDynamics dashboard to display CI/CD deployment times, infrastructure failures, and API request/response times, and set up email notifications for administrators.
- Wrote Azure DevOps CI/CD workflow files to automate deployments to Microsoft Azure, Heroku, Amazon AWS, and Windows servers, successfully completing over 20 deployments during my internship using a blue-green deployment strategy.

UNIVERSITY OF CENTRAL OKLAHOMA

Assistive Tech Specialist (Part-Time) | Edmond, OK

Jan. 2022 - May 2022

- Coordinated alternative print requests for textbooks and text materials, supervised the alternative prints, and provided statistics on assistive/adaptive technology usage.
- Created and conducted training sessions on the use of assistive/adaptive technology and accessible material for faculty, staff, and students.
- Researched, evaluated, and recommended innovative assistive/adaptive technology resources in accordance with federal and state law, serving as a resource for the university community.

UNIVERSITY OF CENTRAL OKLAHOMA

IT Lead Technician (Student Tech) | Edmond, OK

Jan. 2020 - Jan. 2022

- Coded PowerShell scripts to automate deployments, generate data, and facilitate software installation.
- Trained new technicians on the ticket management system, Active Directory, Windows/Mac imaging methods, and troubleshooting steps through practical projects.
- Debugged a variety of technology-related issues, demonstrating adaptability and problem-solving skills in a dynamic work environment.

SKILLS

TECHNICAL SKILLS: Data Structures and Algorithms; System Design; Amazon AWS; Google Cloud Platform (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; CI/CD Pipelines; Automation Tools; Bash Scripting; Security Analysis; Network Protocols; Regulatory Compliance; Terraform; Identity Management; Cryptography

PROGRAMMING LANGUAGES: JavaScript; NodeJS; Python; C++; C; Java; Golang; Bash; PowerShell; PHP

FRAMEWORK: Express.js; Next.js; Angular; Bootstrap; Vue.js; Flask

LIBRARIES: jQuery; React; D3.js; Leaflet.

DATABASES: PostgreSQL; SQL; MongoDB

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