Hemanth Gedda

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Professional Summary

Master's degree in computer science with cyber-security track, with extensive experience in AWS solutions, data security, and machine learning. Proven ability to design and implement scalable systems, streamline data processes, and enhance security compliance.

Technical Skills

Programming Languages: Python, SQL, C, C#, C++, JavaScript, BASH, AWS CLI, Azure CLI, Markup, Markdown
Platforms: AWS (S3, Redshift, Lambda, SageMaker, Kinesis, Glue, QuickSight, ECS, EKS, ELB, AWS Config), Azure(Entra, AKS, APP, CosmoDB, function app, Maria DB, Keyvault, Kubernetes, Redis, Security Center, Postgresql, sql, Virtual Machines), Linux (Ubuntu, CentOS, Arch Linux), Windows Server
Tools: Terraform, Docker, Kubernetes, Jenkins, GitHub, GitLab, VMware, Hyper-V
Networking: OSI Layers, TCP/IP, IP, TCP, UDP, HTTP, HTTPS, FTP, SFTP, SMTP, IMAP, POP3, DNS, DHCP, NAT, VLAN
Security: Network Security, IDS/IPS, Firewalls, Cisco VPN, SOC Analysis

Professional Experience

Information Security Specialist| Kdex, NC, US | June 2024 - Present

- Worked closely with agile teams to deliver AWS solutions using Terraform and GitLab CI/CD scratch- Implemented and automated security checks and frameworks like NYDFS 23, ISO 27017, ISO 27001, and SOC3.
- Designed a custom UI for analytics and improved data safety measures.
- Facilitated Joint Application Development (JAD) sessions and team meetings.
- Conducted research to identify potential solutions and improve data safety measures.
- Demonstrated excellent analytical skills, problem-solving capacity, and IT project management.
- Enhanced security compliance and provided a user-friendly interface for monitoring security checks.
- Designed and implemented a scalable and resilient containerized microservices architecture for e-commerce application.
- Using technologies like Docker, Kubernetes, AWS (ECS, EKS), Python, Flask, PostgreSQL achieved a scalable and resilient microservices architecture reducing deployment times by 50%.
- Currently working with Azure Cloud to achieve the same by implementing the required from the scratch.

TRON Associate | Amazon TS, India | Sept 2020 – Oct 2021

- Developed predictive models using Machine Learning to enhance operational metrics maintaining a 99.8% accuracy rate.
- Collaborated with business and ET partners to translate performance metrics into actionable strategies.
- Ensured high-quality data capture, storage, and processing contributing to data-driven decision-making.
- Developed detailed system documentation including requirements, specifications, presentations, and test cases.
- Conducted extensive troubleshooting in support of Windows and UNIX environments.
- Implemented real-time data analytics solutions using AWS cloud services to support operational efficiency.

.Net Developer | FusionIT, AP, India | Jan 2019 – Feb 2020

- Designed and implemented scalable data pipelines and ETL processes for data integration and analytics.
- Conducted risk assessment using agile methodologies to identify high-risk areas.
- Analyzed security environments and improved data safety measures using Splunk.
- Collaborated with product teams to gather requirements and deliver solutions that met business needs.
- Worked with information technologies and systems analysis to develop scalable data pipelines.
- Monitored and optimized the performance of data systems to ensure reliability and efficiency.

Unity Developer | Puffy Thumb Game Studio, Hyderabad, TS, India | Dec 2016 - Aug 2017

- Conceptualized and developed an Android game ensuring best user experience.
- Deployed and monitored the game tracking performance on the Play Store with regular enhancements.
- Implemented data-driven updates and bug fixes to improve user engagement and satisfaction.

Education

Master of Computer Science | SUNY Binghamton State University | 2022 – 2024
Bachelor of Computer Science | ANITS, affiliated to Andhra University | 2012 – 2016

Certifications and Training

- CompTIA Security+ Sy0-701