Tyler Hudson

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SUMMARY

Innovative Solutions Engineer with 6 years of experience in devising technical solutions that enhance system performance and reduce operational costs by leveraging tools such as Terraform, Docker, and cloud-native technologies.

SKILLS

Hard Skills: Systems Administration, IT Infrastructure, AWS, Azure, Virtualization, Scripting (Python, PowerShell, Bash), CI/CD, Linux/UNIX
Soft Skills: Communication, Documentation, Problem-Solving, Process Optimization, Vendor Management, Technical Support

PROJECTS

Deploying a Secure Messaging Application

Hudson I.T. Consulting · tylerkhudson.com//deploying-secure-message-app/ · July 2024 - Present
· Utilized Vue.js, and a backend powered by python flask and Socket.IO, delivering seamless real-time communication capabilities while integrating end-to-end encryption protocols to enhance data security and privacy compliance.
· Engineered a secure messaging application deployment using Docker Compose on Azure, achieving a 99.9% uptime SLA, and implemented encryption protocols to ensure compliance with GDPR and HIPAA standards.
· Executed a streamlined project management approach using Jira, resulting in a 25% reduction in development timelines.

EDUCATION

Bachelor of Computer Information Systems

Texas State University · San Marco, TX · 2022

EXPERIENCE

Network Administrator

Global Evangelism Inc.   August 2024 - Present, San Antonio, TX
· Enhanced network security protocols, leading to a 30% decrease in unauthorized access incidents by deploying advanced firewall systems and regularly updating intrusion detection mechanisms.
· Configured and optimized network infrastructure, increasing data throughput by 35% and reducing latency through the implementation of advanced routing protocols and network monitoring tools.
· Designed and implemented a scalable network architecture for Global Evangelism Inc., facilitating a 50% increase in bandwidth utilization while maintaining zero critical downtime through advanced configuration of load balancing and redundancy systems.
· Centralized network management operations, resulting in a 40% improvement in system uptime by employing robust NOC strategies and utilizing advanced network management software tools.

Solutions Engineer

Hudson I.T. Consulting LLC   October 2019 - Present, San Antonio, TX
· Architected and executed end-to-end solutions for enterprise clients, leveraging cloud-native technologies and enhancing system performance by 50%, while ensuring seamless integration with existing infrastructure.
· Engineered and implemented custom integrations for enterprise clients, utilizing APIs and middleware solutions to improve data flow efficiency by 25% and streamline operations across multiple platforms.
· Pioneered the development of a client-specific platform using edge computing, improving latency by 60% and minimizing bandwidth usage across distributed networks.
· Designed and deployed scalable solutions leveraging cloud platforms such as AWS and Azure, integrating machine learning algorithms to reduce operational costs by 35% and improve system performance.

Site Reliability Engineer

Microsoft   August 2022 - May 2023, Remote
· Implemented automated monitoring tools using Microsoft Azure, achieving a 50% reduction in system downtime and enhancing reliability across global infrastructures.
· Monitored system health and performance using Azure Monitor and Azure Log Analytics, leading to a 30% improvement in early detection of potential issues and minimizing service disruptions.

- Utilized cloud resource deployments on Microsoft Azure, leveraging Infrastructure as Code (IaC) with tools such as Azure Resource Manager and Terraform, achieving a 25% decrease in provisioning time and ensuring consistent infrastructure management.
- Centralized incident management and response processes leveraging Azure DevOps and Microsoft Teams, which resulted in a 20% faster resolution time for critical system incidents and improved overall system reliability.

CERTIFICATIONS

Azure Fundamentals
Microsoft · 2024