TOPE KENNETH

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Secret Security Clearance

PROFESSIONAL SUMMARY

Infrastructure Automation: Terraform Product & Technology Strategy: Expertise in guiding product development strategies in high-growth environments, driving collaboration, and generating results. DevOps & CI/CD: Version Control: GitHub CI/CD Tools: Jenkins, Nexus, Ansible, AWS CLI, .NET Monitoring & Logging: CloudWatch, CloudTrail, Kibana, CloudSearch, Splunk, DataDog Skilled in testing controls and executing cloud-specific tasks. Executive Team Collaboration: Proven track record in working with senior leadership, driving forward collaboration, and generating results. Technology Audit & Compliance: Extensive experience in technology audit, information security engineering, IT governance risk, and compliance within the technology sector. SUMMARY Cloud & DevOps Engineer with over 11 years of hands-on experience across platforms including Linux, CentOS, Ubuntu, and Windows. Demonstrated leadership in product and technology strategy, driving collaboration, and generating results in high-growth environments. Proven ability in team leadership, building high-performance teams, and delivering value-driven solutions. Proficient in deploying Infrastructure as Code (IaC) using tools like Terraform and CloudFormation. Conducted comprehensive security configuration audits to ensure robust and secure cloud environments.. Cloud Solutions Architect specializing in the design and deployment of high-availability and scalable cloud services. Demonstrated expertise in cloud virtualization and application migration to cloud environments. Seasoned professional with a rich background in technology audit, information security engineering, and IT governance risk and compliance. Demonstrates a strong understanding of cybersecurity processes and concepts, coupled with hands-on experience in cloud platforms, primarily Azure and AWS. Proficient in auditing, compliance, and risk management, ensuring robust and secure cloud environments. Committed to upholding the highest standards of data privacy and protection. Proven track record in containerized deployments using Docker, including managing Docker images and registries. Proficient in installing, configuring, and clustering Kubernetes. Successfully migrated applications to the cloud, ensuring seamless transitions and minimal business disruptions. Established a multi-AZ Jenkins cluster on AWS to enhance the reliability of the CICD pipeline for cloud resource deployment. Designed and implemented a Kubernetes cluster from scratch, optimizing the build, run, and shipping processes for Docker container applications. Set up a GitLab-CI environment to streamline continuous integration and continuous deployment (CI/CD) workflows. Strong academic and professional certifications complemented by sharp analytical, problem-solving, and communication skills. Proven ability in team leadership and delivering value-driven solutions. Proficient in deploying Infrastructure as Code (IaC) using tools like Terraform and CloudFormation, ensuring scalable and maintainable infrastructure setups. Conducted comprehensive security configuration audits to ensure robust and secure cloud environments.

SKILLS

- Cloud & Infrastructure:

- EC2, S3, VPC, Lambda, Aurora Serverless, EKS, AMI, EBS, Cloud Migration, AWS CLI, Cloud Formation

- Demonstrated understanding of

- AWS Services:

- Containerization & Orchestration: Docker, Kubernetes (Clusters)

- Database & Data Management:

- Proficient in auditing, compliance, and risk management related to Amazon Web Services and Data Privacy regulations (GDPR, CCPA, HIPPA, and others).

- Databases: NoSQL, JSON

third-party data risks and data protection strategies.

- Data Streaming & Analysis: Kinesis
- CIS Benchmark, NIST

- Security & Compliance:
- Deep understanding of cybersecurity processes and concepts, including vulnerability management, security governance, software development, incident response, physical security, auditing and logging, micro-segmentation, secure access service edges, zero trust architecture, PKI, and penetration testing.

- Standards:
- Monitoring: CloudTrail, Trust Advisor, Checkmarx SAST

- Proficient in application controls, ensuring robust and secure cloud environments
- Methodologies: OWASP Top 10, PTES, NIST SP 800-115, OSSTMM.

- Cybersecurity & Penetration Testing:
- Collaboration & Productivity:

- Tools: Nmap, Nessus, OWASP ZAP, Burp Suite, Metasploit, Aircrack-ng, SQLmap, Hydra, Hashcat.
- Office Suites: MS Word, MS Excel, MS PowerPoint, Outlook, Google Suite, Microsoft Teams, Skype for Business Online/OnPrem, Enterprise Voice/Unified Communication (SBC, VoIP, PBX)

- Communication Tools:
- API Gateway, CloudTrail

- Zoom, Skype for Business, WebEx, Slack
- Operating Systems & Platforms:

- API & Networking:
- Linux, Dockers, Windows Server, Exchange Server, PowerShell. Microsoft infrastructure, Active Directory, VOIP platform, IP, SMTP, MDM, Intune, PSTN.

- Software Development & Management:

- SDLC, Python, C#, Golang, Java, Software Project Management

EXPERIENCE

Senior Cloud Support Engineer   October 2017 – Nov '23
Valley Proteins | Dallas, TX

- Technology Audit & Compliance: Led technology audits, ensuring strict adherence to IT governance, risk, and compliance standards, with a focus on AWS-specific auditing, compliance, and risk management activities.
- Cloud Infrastructure Management: Designed, deployed, and monitored AWS and Azure infrastructures, achieving a 15% reduction in operational costs. Customized VPCs/accounts to meet business needs for optimal network segmentation and secure server access. Developed terraform templates for provisioning, managed Azure infrastructure, and applied best practices for cloud services and load balancing.
- Migration Excellence:

- Led the charge in complex AWS to Azure migrations, ensuring seamless transitions of Virtual Machines, Storage, and Kubernetes environments with minimal operational impact.

- Innovated with VLAN Stretching to preserve network continuity, ensuring a smooth workload transition during cloud migrations.

- Developed and executed strategic migration plans for Amazon Connect, MPLS routes, and BCDR policies, adhering to industry standards and compliance requirements.

- Enforced stringent security policies within Healthcare and Financial Services sectors during migrations, protecting sensitive data and ensuring compliance.

- Carried out detailed planning and execution of workload migrations to Azure, utilizing best practices to minimize risks and achieve timely, successful outcomes.

- Unified Communication & Collaboration: Showcased expertise in deploying Microsoft Teams, Skype for Business, and Enterprise Voice solutions, with a strong command over Microsoft infrastructure, Active Directory, and PowerShell scripting for advanced communication setups.

- Monitoring and Insights: Implemented Splunk for enhanced real-time monitoring and analytics, and integrated Datadog for comprehensive observability, improving service reliability by 20%.

- Innovative Log Management & Container Orchestration: Led the development of a near-real-time syslog message analysis and visualization tool, and managed a Kubernetes platform to streamline Docker container orchestration for Java Spring Boot applications on AWS.

- Serverless Framework & CI/CD Advancements: Created a serverless framework for an AWS-based Learning Management System, significantly increasing user engagement. Advanced CI/CD processes with Jenkins, Ansible, and Nexus, reducing deployment errors by 30%.

- Strategic Infrastructure Deployment & Database Management: Optimized Terraform and CloudFormation templates for efficient cloud infrastructure deployment. Engineered and executed a database migration strategy to the cloud, improving performance and ensuring high availability.

- DevOps & Agile Methodologies: Championed DevOps and Agile practices, enhancing project delivery speed by 15%. Led comprehensive cybersecurity assessments and penetration testing, following standardized testing practices.

- Network Configuration & Audit Support: Managed network configurations to secure server access, and provided essential support during IT and security audits to identify and mitigate potential risks.

Cloud Engineer   January 2014 - June 2017
IB Electric Distribution Company, Dallas, Tx.

- Leadership & Collaboration: Led cross-functional teams in the development and deployment of cloud solutions

- Collaborated with senior leadership to ensure alignment with company objectives and strategies.

- Risk Management: Proactively identified and mitigated risks and dependencies using modern risk assessment tools, ensuring agile and timely project delivery.

- Data Management & Security: Architected a robust data back-up and disaster recovery plan for AWS and Microsoft Azure migration, with an emphasis on encryption, secure storage of sensitive data, and GDPR compliance

- Monitoring & DevOps: Leveraged AWS CloudTrail and integrated CI/CD pipelines using Gitlab-CI, promoting rapid deployment and iterative development

- Data Analytics: Employed Elasticsearch and Kibana for real-time data insights, utilizing big data techniques to address diverse analytical challenges

- Software programming in Python and C#.

- Container Orchestration: Seamlessly integrated Kubernetes with network, storage, and security, enhancing microservices deployment and scalability
- Cybersecurity: Upheld best practices for http/mqtt protocols, fortifying data and communication security via AWS security groups and ensuring zero-trust security models
- Infrastructure as Code: Led the deployment of a Kubernetes cluster and utilized infrastructure as code principles for streamlined and repeatable infrastructure deployment.

Information Technology Systems Auditor   February 2012 - January 2014
IB Electric Distribution Company, Dallas, Tx.

- Risk Evaluation: Utilized modern tools to assess risks, document processes, and design audit programs, ensuring system integrity in a digital age
- Financial Oversight & Fintech: Leveraged fintech solutions as both Cash and Credit Control Officer, ensuring accurate, real-time financial transactions
- Data-Driven Reporting: Prepared data-driven daily and monthly financial reports using advanced analytics tools, providing actionable insights
- Transaction Approval: Implemented automated systems to confirm and approve daily cash and credit collections, ensuring financial accuracy and reducing human error
- Performance Analysis: Conducted in-depth performance analyses of marketers using AI-driven tools, driving business growth through data insights.

EDUCATION

Bachelor of Science - Computer Science   January 2011
Lead City University

CERTIFICATIONS

Amazon Web Services (AWS): AWS Certified Solutions Architect - Associate AWS Certified Solutions Architect - Professional AWS Security Specialist AWS Migration Ambassador Foundations Microsoft Azure: Microsoft Azure Fundamental Project & Program Management: Certified Project Manager Certified Program Manager

LANGUAGE

English
Native