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Vanessa Vasile

Highly accomplished and innovative technology leader with a strong technical background in Linux and cloud computing seeking a challenging position as a Chief Technology Officer (CTO). Offering a proven track record of successfully driving technical strategies, delivering scalable solutions, and leading cross-functional teams to achieve business objectives. Committed to leveraging cutting-edge technologies to optimize operations, enhance productivity, and drive business growth.

Summary of Qualifications

- Over 10 years of experience as a technology executive, with a focus on Linux and cloud computing.
- Extensive expertise in designing, implementing, and managing scalable and reliable infrastructure solutions.
- Proven ability to develop and execute comprehensive technology strategies aligned with business goals.
- Strong leadership skills with a track record of building and leading high-performing teams.
- Deep understanding of cloud-based architectures, including IaaS, PaaS, and SaaS.
- Exceptional problem-solving and decision-making abilities, with a results-driven approach.
- Excellent communication and interpersonal skills, with the ability to collaborate effectively with stakeholders at all levels.

Professional Experience

Chief Technology Officer (CTO) | TCA Server Solutions | 2009 - Present

- Led the development and execution of the company's technology strategy, driving innovation and ensuring alignment with business goals.
- Oversaw the design, implementation, and management of highly scalable and secure cloud-based infrastructure.

- Implemented DevOps practices to optimize software development and deployment processes, resulting in improved efficiency and faster time to market.
- Provided technical leadership and guidance to cross-functional teams, fostering a culture of continuous learning and innovation.
- Collaborated with product management and engineering teams to deliver cutting-edge solutions that exceeded customer expectations.
- Established and maintained relationships with key technology partners and vendors to leverage their expertise and stay at the forefront of industry trends.
- Managed the technology budget and ensured cost-effective utilization of resources.
- Played a pivotal role in driving revenue growth and expanding the customer base through technology-driven initiatives.

Sr. Product Line Manager/Sr. Operations Manager | Ramnode | 2021 - Present

- Carrying technical knowledge into strategic conversations about the product offerings, and making technical decisions for products to provide general improvements, solve problems, and maintain performance
- Analyzing competitors' offerings as measured by industry benchmarks and our advertised use cases, and propose solutions to improve competitiveness
- Taking feedback from customers and internal users to improve product performance and offerings
- Management of day-to-day operations over a team of eight (8), including technical support and Engineering
- Serving as a technical escalation point for other team members, including revolving on-call responsibilities for issues related to OpenStack and related services
- Maintenance of legacy platforms based on KVM and Virtuozzo/OpenVZ
- Determining and enforcing budgets based on P&L, includes purchasing

IT Manager, Tier 3 Operations | InMotion Hosting | 2012 - 2021

- Managing a medium-sized team of system architects
- Balancing and maintaining proper system capacity, including creating specifications for systems, defining capacity limits and requirements, purchasing, acquiring IP resources as necessary, determining equipment life cycles, and performing audits of resources.
- Managing datacenter-wide budget across multiple departments
- Working with vendors to ensure maintenance of positive business relationships and competitive pricing

- Serving as a technical resource for other team members, including as a secondary on-call point of contact
- Developing technical solutions to meet market and product needs, including hardware and software

Education

Master's Degree in Information Security
ECPI University
Virginia Beach, VA
2005 - 2012

Certifications

- CompTIA A+ 2005 Version
- CompTIA Network+ N10-006, NT10-007
- CompTIA Security+ SY0-401, SY0-501
- CompTIA CySA+ CS0-002
- Cisco CCNA Routing & Switching
- NICCS CECL Certified Expert Cyber Law
- NICCS CECI Certified Expert in Cyber Investigations
- NICCS CSFLI Certified NIST Cybersecurity Framework Lead Implementer
- GIAC GSEC Security Essentials Certification
- ISC CISSP Certified Information Systems Security Professional
- PCISS PCIP PCI Professional
- AWS Solutions Architect Professional
- AWS SysOps Administrator Associate

Technical Skills

Operating Systems

- Linux: Proficient in managing and configuring Linux distributions such as Red Hat, Ubuntu, and CentOS. Skilled in shell scripting and command-line utilities for system administration and automation.
- Windows Server: Familiar with Windows Server environments, including installation, configuration, and troubleshooting.

Cloud Platforms

- Amazon Web Services (AWS): Extensive experience in designing and deploying infrastructure on AWS, including EC2, S3, RDS, Lambda, and VPC. Proficient in managing and optimizing cloud resources, implementing security measures, and leveraging AWS services for scalability and high availability.
- Microsoft Azure: Knowledgeable in building and managing infrastructure and services on Microsoft Azure. Familiar with Azure Virtual Machines, Blob Storage, Azure Functions, and Azure Networking.
- Google Cloud Platform (GCP): Familiarity with GCP's infrastructure and services, including Compute Engine, Cloud Storage, Cloud Functions, and Networking components.

Programming Languages

- Python: Strong proficiency in Python for scripting, automation, and development of backend applications. Experience with popular libraries and frameworks, such as Django and Flask.
- Bash: Solid understanding of server-side bash scripting

Infrastructure-as-Code

- Terraform: Proficient in using Terraform for infrastructure provisioning and management. Skilled in defining infrastructure resources as code and managing infrastructure changes.
- Ansible: Experienced in automating configuration management, deployment, and orchestration using Ansible. Knowledgeable in writing Ansible playbooks and managing large-scale infrastructure.

Containerization and Orchestration

- Docker: Proficient in containerizing applications using Docker, creating Docker images, and managing Docker containers. Experience with Docker networking and volume management.
- Kubernetes: Strong understanding of Kubernetes for container orchestration, including cluster management, deployments, and scaling. Skilled in managing and optimizing Kubernetes clusters for high availability and scalability.

Database Technologies

- **MySQL:** Proficient in managing and optimizing MySQL databases, including installation, configuration, and performance tuning. Experience with replication, clustering, and backup and recovery strategies.
- **PostgreSQL:** Familiarity with PostgreSQL, including database administration, query optimization, and advanced features such as replication and partitioning.
- **MongoDB:** Knowledgeable in managing and scaling MongoDB NoSQL databases, including data modeling, sharding, and replica set configuration.

Networking

- **TCP/IP:** Strong understanding of TCP/IP protocol suite and networking concepts. Proficient in configuring and troubleshooting network services, such as DNS, DHCP, and VPN.
- **Load Balancing:** Familiar with load balancing concepts and technologies, including Nginx, HAProxy, and Elastic Load Balancing. Skilled in designing and implementing load balancing solutions for high availability and scalability.
- **Arista/Brocade:** Hands-on experience with Arista and Brocade switches and routers

Security

- **SIEM (Security Information and Event Management):** Experience with SIEM tools for log aggregation, analysis, and threat detection. Proficient in configuring and monitoring security events.
- **IDS/IPS (Intrusion Detection and Prevention Systems):** Familiarity with IDS/IPS technologies and best practices for network security monitoring and threat prevention.
- **Penetration Testing:** Knowledgeable in conducting penetration tests and vulnerability assessments to identify and remediate security vulnerabilities.