

Christian Martin

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I am Solution Architect, with interest in all things Infrastructure, DevOps Engineer and Cybersecurity. I bring years of expertise in securing and automating cloud infrastructures. I am Proficient in AWS, Azure, VMware vSphere, Kubernetes, Docker, Python, PHP, and WordPress. My other Specialties include threat hunting, incident response, and GitOps, with strong skills in Infrastructure as Code (IaC) using Terraform and Ansible. I am Dedicated to ensuring system security, reliability, and scalability.

SKILLS

Programming Languages & Frameworks

Working knowledge of Java and Spring, PHP, Python, and Bash. Basic familiarity with C#, .NET, JavaScript, and PowerShell.

DevOps and Cloud Tools

Proficient in: AWS, Azure, GCP, CloudFlare, Kubernetes, Docker, Ansible, Terraform, Git, Jenkins, Azure DevOps, GitHub, Prometheus, Elasticsearch, Logstash, Kibana. (ELK stack).

Cybersecurity and Service Discovery Tools

Proficient in: Kali Linux, Wireshark, Burp Suite, Metasploit, Nmap, Splunk, VMware vSphere, RedHat Enterprise Linux, Windows Server, CloudFlare, AWS Route 53, AWS CloudFront, TCP/IP, DNS.

PROFESSIONAL EXPERIENCE

Independent Consultant:

11/2022 - Present
Zurich/Switzerland

- Leveraging Terraform and Ansible to automate secure WordPress cloud deployments, ensuring high availability and business continuity on AWS and Microsoft Azure
- Cloud hosting and DNS solutions (AWS Route53, Cloudflare) for small businesses.
- Relocated to Switzerland, and attained proficiency at the B level in German language studies.

Solutions Architect and Project Manager

11/2020 - 10/2022

Riverside Church Organization and Legal

New York City

- Led the migration of a high-traffic WordPress site (1500 weekly visitors) to AWS, leveraging Nginx reverse proxy and caching to improve performance by 20%.
- Successfully migrated 300+ desktop clients for Riverside Church Organization to AWS Workspace during the pandemic peak as part of a VDI services initiative.
- Implemented automated AWS workflows using a combination of Python, Bash, CloudFormation, Ansible, and Terraform to streamline EBS encryption, AMI backups, and Lambda function scheduling.

VMWARE Infrastructure and Systems Security Engineer

11/2018 - 10/2020

Riverside Church Organization and Legal

New York City

- Optimized SharePoint 2016 deployment on vSphere with custom ESXi images using PowerCLI.
- Leveraged Terraform, Ansible, Bash, and Python to automate the provisioning, configuration, and management of VMware, Linux, and Windows Server infrastructures.
- Implemented LEMP and LAMP stack deployments for web operations, ensuring consistent performance and adherence to service level objectives (SLOs).

Associate DevOps Engineer

11/2016 - 10/2018

Amazon Web Services (AWS)

New York, NY

- Conducted DevOps assessments, provided guidance on cloud adoption, and implemented DevOps methodologies using AWS tools like CodePipeline, CodeCommit, ECS, and EKS, resulting in improved team efficiency and optimized cloud utilization.
- Worked with customers to design CI/CD architectures, develop pipeline strategies, and lead DevOps work streams for multi-account environments in the cloud
- Led project planning and delivery for telecom clients, leveraging the power of AWS Global services discovery infrastructure to ensure timely project completion and optimize cost efficiency.
- Assisted in creating code artifacts and implementing security check processes through 3rd party open-source tools like cfn-lint, cfn_nag, and, cloud custodian through Python and YAML deployment.

Participant: Data Engineering Research

01/2016 - 10/2017

Google: Google cloud's Learning workshop

New York City

- Chosen as 1 of 87 participants for a 24-week developmental program focused on technical skills, Certification preparation, advanced programming projects (Python and Java), and Google Cloud Platform exposure
- Acquired a profound comprehension of Terraform, Docker, Kubernetes, and Google Cloud Kubernetes Engine, and demonstrated adeptness in utilizing GKE's single-zone, multi-zone, and regional clusters to deploy and evaluate multi-tier, cloud-native applications.

Infrastructure Analyst (CND)

04/2013 - 12/2015

iDefense Inc. (Contractor)

Chantilly, Virginia

- Conducted comprehensive penetration testing (Grey and Black box) of Azure cloud and hybrid environments, identifying critical vulnerabilities and providing detailed recommendations for remediation to enhance security posture
- leveraged Splunk to create viewable dashboards for log data, enabling tactical forensic analysis and proactive identification of adversarial activity through collected network data (Hunt Team).
- Enforce industry-standard security controls for regulatory compliance (PCI-DSS, SWIFT, NIST, ISO) and conduct security engineering and hardening on the latest operating systems following the CIS benchmarks.

Data Engineer

03/2011 - 02/2013

Gwynnie Bee

New York City

- Successfully implemented the Honeywell Voyager MS9540 USB barcode scanner system with an application module using javax.comm to read input from the specified serial port, writing barcode data to a database for processing over 6 million garments.
- Deployed MySQL on RedHat Enterprise Linux, establishing a data synchronization process between NetSuite and MySQL, and storing the data in Hadoop for large-scale analytics

Cerberus Capital Management LP

02/2010-12/2012

Credit Risk Analyst (Contrator)

New York, NY

- Worked on three major deals on the buy-side M&A: assisted three senior VPs with needed resources for presentations and deal memos on acquiring Steward Health Care System, Supervalu, and TransCentra.
- Prepared valuation using public company comparable, precedent transactions, and DCF; The analysis showed our targets were undervalued and neglected and was applied in negotiation, financial projections and eventually acquisition, completed quantitative and qualitative analyses cross the healthcare and retail consumer sectors.
- Cerberus's potential \$17 billion acquisition of Supervalu: worked with a team of VPs and provided needed resources to create a 5-year forecast for use in deal memos & presentations with creditors, lenders, and partners.
- Led a team of new 3 graduates on the equity valuation of TransCentra by conducting a due diligence session detailing business, financial, and accounting areas and analyzed comparable public companies by building a pro forma financial model, for a \$5 billion acquisition.

EDUCATION

Groove School of Engineering

City College of New York(CUNY) : Graduate Level courses in Computer science

BSc in Computer Engineering: University of Cape Town (UCT)**CERTIFICATES:**

- Certified Information Systems Professional (CISSP)
- Microsoft Azure Certified Solutions Architect Expert
- AWS Certified Solutions Architect Professional
- AWS Certified DevOps Engineer Professional
- CompTIA Security+ and CompTIA CySA+
- SANS Institute Sec505: Securing Windows and PowerShell Automation

LANGUAGES:

- English: Native or Bilingual Proficiency
- German: Limited Working Proficiency
- French: Native or Bilingual Proficiency

CONFERENCES & COURSES

SANS Institute Cyber +reat Intelligence Summit (01/2023 - 05/2023)

<https://1drv.ms/b/s!AvHvGcc8yJNoynspKsBXNttaUzLo?e=qN0ibe>

- Learned to gather, analyze, and distribute cyber threat intelligence to detect and lessen risks to the organization's information systems and assets with Splunk and SolarWinds

Sans Institute Cloud Security Exchange (02/2023 - 04/2023)

<https://1drv.ms/b/s!AvHvGcc8yJNoynwJs51i42KF05wu?e=YlpScu>

SANS Institute Pen Test HackFest Summit & Training (11/2021 - 11/2021)

https://1drv.ms/b/s!AvHvGcc8yJNoynq6YYwQ_SKBmJA5?e=9gNTg7

- Participated in the SANS NetWars Tournament of Champions(a prestigious annual Cybersecurity competition focused on advanced ethical Hacking techniques.

SANS Institute Digital Forensics and Incident Response(DFIR) Summit & Training 2021

<https://1drv.ms/b/s!AvHvGcc8yJNox2cYZRET1IuWXBpR>

- Learned to sniff network traffic (using tcpdump and Wireshark) to extract sensitive data.

SRE and DevOps Engineer with Google Cloud (10/2020 - Present)

<https://coursera.org/share/89cc68442e7318cef7578012f19db38d>

Completed a 5-course Google Cloud Professional Certificate, focusing on software delivery pipelines, service deployment, monitoring, incident management, and SRE principles.

Data Engineering, Big Data, and Machine Learning on GCP (07/2019 - 09/2019)

<https://www.coursera.org/account/accomplishments/specialization/HWR93S2MUJLQ>

Completed a 5-course accelerated specialization in big data solutions design, architecture, analysis, and optimization.