**Jonathan Polansky**

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**EDUCATION**

**Western Governor’s University**

*Bachelor of Science, Cloud Computing*

**CERTIFICATIONS**

* CCNA (Cisco Certified Network Associate)
* AWS Certified Cloud Practitioner
* Microsoft Azure Fundamentals
* Microsoft Azure Administrator Associate
* LPI Linux Essentials
* CompTIA A+
* CompTIA Network+
* CompTIA Security+
* CompTIA Cloud+
* CompTIA Project+
* ITIL v4 Foundations

**SKILLS**

* **Microsoft Azure -** Storage, Compute, Azure AD, Intune, Networking, Databases, O365
* **Amazon Web Services -** Storage, Compute, IAM, Workspaces, Route 53, Networking
* **Windows Server -** Active Directory, Group Policy, DNS, Hyper-V, Exchange 2016-2019
* **Automation -** Jenkins, GitHub Actions, Terraform, Ansible
* **Linux Server -** Ubuntu, RedHat
* **Virtualization -** VMWare, Proxmox, Containers
* **Networking -** Cisco, SonicWALL
* **Mobile Device Management** **–** AirWatch, Intune

**WORK EXPERIENCE**

**Edge Technology Group / Thrive Networks Greenwich, CT**

*Systems Administrator March 2023 - Present*

* Act as an escalation point for resolving issues with various software such as Microsoft Office 365 applications and add-ins, trading platforms such as Bloomberg, coding platforms such as PyCharm, and CRMs such as Salesforce.
* Develop and implement automated scripts using PowerShell and Bash to streamline tasks such as user and software provisioning.
* Administer Microsoft Office 365 suite, encompassing Exchange Online, SharePoint, and Teams, managing permissions, user modifications, and troubleshooting.
* Oversee backup operations using Veeam and Commvault, ensuring data integrity and executing recovery tasks as required.
* Manage Active Directory functions, including user creation, group policy implementation, DNS management, and replication troubleshooting.
* Configure and troubleshoot Cisco routers and switches to maintain network performance, security, and reliability.
* Handle configuration and troubleshooting of email filtering platforms like Proofpoint and Mimecast for enhanced email security and spam filtering.
* Maintain virtualization infrastructure including Azure, AWS, and VMWare, deploying virtual machines, managing resources, and addressing issues for optimal performance.

*Client Support Engineer June 2022 – March 2023*

* Provided technical support for various software applications including Microsoft Office 365, Bloomberg, PyCharm, and Salesforce.
* Supported the administration of Microsoft Office 365 suite, aiding in user management and issue resolution.
* Contributed to backup operations and data recovery tasks using Veeam and Commvault.
* Assisted with Active Directory functions and server configuration tasks.
* Aided in the configuration and troubleshooting of email filtering platforms for enhanced security.
* Supported the maintenance of virtualization infrastructure including Azure, AWS, and VMWare.

**Sourcepass East Northport, NY**

*Client Onboarding Manager October 2021 – June 2022*

* Managed a team specializing in new client onboardings, overseeing the entire process from initial documentation to implementation.
* Led onsite visits to document infrastructure and baseline client environments to Sourcepass’ standards.
* Implemented deep packet inspection on SonicWALL routers, enhancing network security and performance.
* Segmented networks using VLANs and implemented Quality of Service (QoS) measures to optimize network traffic.
* Facilitated email migration to Microsoft Office 365 (O365) when necessary, ensuring seamless transition and minimal disruption.
* Acted as the primary point of contact for all support during onboarding, providing timely assistance and troubleshooting.
* Personally performed a significant portion of the implementation work, ensuring high-quality standards and efficiency.
* Provided training to team members on implementation procedures and best practices, fostering skill development and knowledge sharing.
* Hosted kick-off calls with new clients to establish project timelines, goals, and expectations.
* Scheduled work assignments for both myself and team members, optimizing resource allocation and project efficiency.

*Project Engineer August 2020 – October 2021*

* Assisted in new client onboardings, contributing to infrastructure documentation and project planning.
* Provided support for switch and router swaps, ensuring smooth transitions and minimal downtime for clients.
* Participated in server migrations, facilitating seamless transfers of data and applications.
* Collaborated on Microsoft Office 365 (O365) migrations, assisting with planning and execution to ensure successful transitions.
* Supported Intune and Multi-Factor Authentication (MFA) rollouts, enhancing security measures for clients' systems.
* Provided technical expertise and troubleshooting assistance during project implementation, ensuring client satisfaction and project success.

**PROJECTS**

**Azure-Hosted Website** [**https://resume.jon-polansky.com**](https://resume.jon-polansky.com)

Developed and deployed a personal resume website hosted on Microsoft Azure. Upon pushing changes to GitHub, GitHub Actions automatically saves changes to the Blob Storage and purges the CDN endpoint.  
  
**Technologies Used:**

* **Blob Storage:** Utilized Azure Blob Storage to host static website files.
* **CDN (Content Delivery Network):** Configured a CDN profile to optimize content delivery by caching static content globally, enhancing website performance.
* **CosmosDB:** Integrated CosmosDB to store visitor counter data, enabling scalable and globally distributed NoSQL database storage.
* **Azure Functions:** Developed an Azure Function triggered on HTTP requests to update the CosmosDB value and display the updated visitor counter on the webpage dynamically.
* **GitHub and GitHub Actions:** Utilized GitHub for version control and GitHub Actions for automated deployment.

**Self-Hosted Website** [**https://resume-prod.jon-polansky.com**](https://resume-prod.jon-polansky.com)

Created and deployed a self-hosted resume website with automated provisioning and deployment using Jenkins, Terraform, and Ansible. Upon committing changes to GitHub, a webhook triggers a Jenkins pipeline to automate deployment. The pipeline uses Terraform to provision a new VM on the Proxmox host and Ansible to configure the environment and deploy the website. Deployment is first tested in a test environment, and if successful, deployed to production.

**Technologies Used:**

* + **GitHub:** Utilized GitHub for version control to manage project files and track changes.
  + **Jenkins:** Configured Jenkins to receive webhook notifications from GitHub upon committing new files, triggering automated pipeline execution.
  + **Terraform:** Implemented Terraform to automatically provision a new virtual machine on a Proxmox host using a cloud-init template.
  + **Ansible:** Utilized Ansible to automate the deployment process, including transferring website files, setting up the Python/Flask environment, configuring the uWSGI server, and configuring a Redis database.
  + **Proxmox:** Hosted the virtual machine on a Proxmox server.
  + **Python/Flask:** Utilized Python with the Flask framework to serve HTML files and retrieve visitor count data from Redis.
  + **Redis:** Utilized Redis as a database to store visitor counter data, unique visitors counter, and IP-specific visit counter, enabling real-time data updates.
  + **Server-Sent Events (SSE):** Implemented Server-Sent Events to update visitor counters dynamically on the website without page refresh.