Ryan Amir

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EDUCATION

Rutgers, The State University of New Jersey   **New Brunswick, NJ**
Bachelor of Science in Computer Science

WORK EXPERIENCE

Astro Intelligence INC   **Houston, Texas**
Cloud Engineer   *July 2023 - Present*

- Designed and managed Azure infrastructure (VMs, VNets, Storage, Key Vault) with secure networking patterns (NSGs, routing, VPN connectivity) across multiple environments.
- Reduced idle compute costs by 25% by automating VM scheduling and right-sizing using Azure Automation runbooks and Azure CLI.
- Administered Azure Virtual Desktop (AVD) for 100+ users via Nerdio Manager; tuned FSLogix profiles and autoscale policies to improve session stability.
- Developed reusable Terraform modules across 4 environments to standardize deployments; integrated GitHub Actions CI/CD for validation and repeatable releases.
- Implemented Azure Monitor + Log Analytics dashboards (KQL) for 80+ resources; identified and removed 10+ underutilized assets through cost insights; supported Docker-based deployments to Azure App Service.
- Implemented Azure AD (Entra ID) RBAC, MFA, and Managed Identity patterns; secured secrets in Key Vault and standardized least-privilege access across subscriptions.
- Built and documented event-driven workflows using Logic Apps and messaging components (Service Bus/Event Grid), improving reliability for internal automation and alerting.
- Piloted container-based deployments using Docker and Azure container services; created repeatable build-and-release workflows in GitHub Actions for dev/test environments.
- Established backup and disaster-recovery processes with Azure Site Recovery and runbooks, performing recovery tests and tightening RTO/RPO targets.
- Designed and deployed Azure AI Foundry workloads, integrating Azure OpenAI models into cloud applications with RBAC, private networking, and cost governance controls.

Chief Technology Group   **Cypress, Texas**
Cloud Solutions Engineer   *June 2021 - June 2023*

- Provisioned and maintained Citrix VMs using MCS; performed golden image updates and patching cycles to support stable VDI delivery.
- Configured Azure environments (VNets, NSGs, load balancers, storage) and supported IAM/RBAC audits across 2 tenants with 100+ role assignments to strengthen access control hygiene.
- Automated VM domain join and baseline configuration using PowerShell DSC and scripting, reducing setup time by 60%.
- Monitored 20+ Citrix servers and resolved 85% of tickets on first contact by troubleshooting session issues, VDA registration, FSLogix/profile problems, and documenting repeatable fixes.
- Supported Citrix CVAD/XenDesktop components (Delivery Groups, StoreFront, policies) and performed root-cause analysis on logon delays, session drops, and profile corruption issues.
- Assisted with Azure VDI and hybrid connectivity efforts (VPN routing, NSGs, firewall rules) to keep environments stable and secure for remote users.
- Managed VMware vSphere/ESXi resources (templates, snapshots, resource pools) and coordinated patching windows to maintain performance and availability.
- Built lightweight monitoring and alerting using Citrix Director metrics and Azure Monitor/Log Analytics queries, documenting playbooks for repeatable remediation.

PROJECTS

CloudPulse — Azure Optimization Console   **Matawan, New Jersey**
Full-Stack Cloud Developer   *January 2026 - Present*

- Built a 12-endpoint FastAPI REST API that aggregates Azure Cost Management, Advisor, and Resource Graph data into prioritized optimization findings across multiple subscriptions.
- Integrated 6 Azure service APIs (Cost Management, Advisor, Monitor Metrics, Resource Graph, Subscriptions, OBO delegated auth) with caching + pagination to support efficient, high-volume resource queries.
- Delivered a Next.js web console with dashboarding, anomaly views, findings drill-downs, and report generation, and deployed the stack to Kubernetes with Helm for reproducible, scalable rollout.
- Implemented Microsoft Entra ID (Azure AD) authentication using MSAL + On-Behalf-Of (OBO) flows with scoped permissions, enforcing least-privilege access and tenant isolation.

Incident Postmortem Manager   **Matawan, New Jersey**
Cloud Engineer   *December 2025 - Present*

- Architected and deployed a production-grade 3-tier application on Microsoft Azure using Static Web Apps, Azure Functions, and Cosmos DB, demonstrating end-to-end cloud infrastructure design.
- Implemented Infrastructure as Code (IaC) using Azure Bicep, enabling repeatable, version-controlled deployments with automated validation in CI/CD pipelines.
- Configured least-privilege access using Azure Managed Identity and RBAC, eliminating hardcoded secrets and following cloud security best practices.
- Built a serverless REST API with 14 endpoints using Azure Functions (Node.js), including AI-powered features via external LLM integration for automated incident analysis.

Glight Cutz Online Booking System   **Matawan, New Jersey**
Co-Founder and Lead Developer   *Dec 2024 - Present*

- Developed and deployed an online booking system using Python, Flask, and SQLite, enabling seamless customer scheduling and streamlining operations; drove adoption to 500+ active clients.
- Designed an intuitive, mobile-responsive interface with HTML, CSS, and JavaScript, enhancing the user experience and increasing customer retention by 30%.

SKILLS

Cloud Platforms: Microsoft Azure (VNets, Azure AD, Automation, ARM/Bicep), AWS, VMware vSphere/ESXi, Kubernetes
Certifications: AWS Certified Cloud Practitioner; Microsoft Azure Administrator Associate; Microsoft Azure Fundamentals
VDI + Automation + Security: Azure Virtual Desktop (Nerdio, FSLogix), Citrix CVAD/XenDesktop; Terraform; GitHub Actions (CI/CD); PowerShell; Python; Bash; Azure CLI; RBAC/MFA; NSGs; VPNs; Azure Firewall; Key Vault; Azure Monitor; Log Analytics (KQL)