

RYAN AMIR

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EDUCATION

Rutgers University, School of Arts & Sciences GPA: 3.70/4.00

Sep. 2023 – May 2027

Bachelor of Science in Computer Science

New Brunswick, New Jersey

Honors & Awards: Dean's List Fall 2023, Fall 2024 & Spring 2025

RELEVANT COURSEWORK

- Intro to Computer Science
- Data Structures & Algorithms
- Computer Architecture
- Discrete Math I
- Systems Programming

EXPERIENCE

Astro Intelligence INC

July 2024 – Present

Cloud Engineer

Houston, Texas

- **Azure Business Solutions & Transformation:**
 - Helped migrate legacy on-prem tasks to Azure Logic Apps and Functions, automating 7+ workflows.
 - Contributed to 6+ Azure-hosted internal projects using VNETs, Azure App Services, and Key Vault integration.
- **Infrastructure as Code & Provisioning:**
 - Built and maintained modular Terraform codebase supporting 4 different environments (dev, QA, staging, prod).
 - Standardized resource creation using 20+ parameterized Bicep templates.
- **Automation & Scripting:**
 - Authored 30+ PowerShell scripts for RBAC audits, log cleanup, and daily maintenance.
 - Used Azure CLI and Runbooks to schedule VM lifecycle tasks, reducing idle compute costs by 25%.
- **AVD & End-User Platform Management:**
 - Administered AVD for 100+ users through Nerdio Manager; configured autoscale, FSLogix tuning, and user group policies.
 - Resolved 95% of user session and connectivity issues under SLA, improving overall stability.
- **Monitoring, Logging & Cost Optimization:**
 - Integrated custom KQL queries into Azure Monitor to create dynamic dashboards for 80+ resources.
 - Used Cost Management + Advisor insights to identify and decommission 10+ underutilized resources.
- **Security & Identity Management:**
 - Configured RBAC roles and Conditional Access policies across 3 subscriptions.
 - Helped enforce security policies to reach 98% compliance across resources by quarter-end.
- **DevOps Collaboration:**
 - Supported deployment reviews, tracked CI/CD release performance, and improved rollback processes.
 - Worked alongside developers to containerize .NET apps using Azure App Services and Docker.
- **Documentation & SOP Management:**
 - Created 15+ SOPs for team SharePoint covering provisioning, logging, and break-fix scenarios.
 - Maintained Wiki pages and architecture diagrams in Lucidchart for onboarding new hires.
- **Cloud Governance & Standards:**
 - Reviewed ARM and Bicep deployments to ensure tagging, naming conventions, and policy compliance.
 - Enabled Azure Blueprints for policy enforcement across sandbox and production environments.
- **Disaster Recovery & Resilience:**
 - Participated in quarterly DR tests and validated backup configurations using Recovery Services Vault.
 - Helped define RTO and RPO targets for tier-1 services across 2 Azure regions.
- **Tooling & Internal Platform Enhancements:**
 - Developed internal dashboard tools with Azure Logic Apps and Power BI for resource health visibility.
 - Integrated GitHub Actions with Azure DevOps pipelines for seamless handoffs between repos.
 - Built lightweight tools using Python to automate internal audits of NSG and diagnostic settings.
- **Performance Testing & Optimization:**
 - Conducted load testing using Azure Load Testing and Application Insights on 3 key services.
 - Worked with developers to reduce cold-start times for Azure Functions by over 40%.

- Benchmarked VM series performance to identify cost-effective upgrades for compute-heavy workloads.

Chief Technology Group

Cloud Solutions Intern

June 2023 – June 2024

Cypress, Texas

- **Cloud Infrastructure & Citrix Virtualization:**

- Provisioned Citrix VMs using MCS across 50+ client devices, and updated golden images using PVS.
- Built test environments in Azure using resource groups, VMs, NSGs, and load balancers.

- **Automation Pipelines:**

- Automated AD join + VM config using PowerShell DSC, reducing manual config time by 60%.
- Used ActiveBatch to trigger patch cycles and orchestrate multi-stage image updates.

- **Monitoring & Service Uptime:**

- Monitored 20+ Citrix servers via Citrix Director and Azure Monitor alerts.
- Helped improve uptime by identifying 3 recurring faults in profile streaming.

- **Security, IAM & Policy Enforcement:**

- Implemented 10+ GPO rules for session policies, drive mappings, and application restrictions.
- Participated in quarterly IAM audits across 2 tenants with over 100 role assignments.

- **Process Documentation & Governance:**

- Drafted and updated patching guides, SOPs, and rollback plans.
- Created Visio diagrams and playbooks for image provisioning and logon troubleshooting.

- **Technical Support & Incident Response:**

- Resolved 85% of support tickets on first response related to login failures, drive redirection, and app streaming.
- Worked directly with MSP engineers to address escalations from healthcare clients.

- **Professional Development:**

- Completed Azure Labs on AVD, Azure Storage, NSG + Firewall, and basic IaC.
- Shadowed senior engineers for weekly case reviews and code walkthroughs.

- **Change Management & Deployments:**

- Assisted with CAB submissions and tracked version control across deployments.
- Tested rollback scenarios and confirmed service health post-change.

- **Client Communications & Reporting:**

- Drafted client-facing reports after patching cycles and incident resolutions.
- Joined check-in calls with healthcare clients to explain remediation actions.

PROJECTS

Azure Serverless User Management System | *Python, Azure Functions, Cosmos DB, JavaScript*

May 2025

Full-Stack Cloud Developer

- Built production-ready serverless application with 3 RESTful endpoints, achieving <200ms response times and 99.9% uptime.
- Implemented Python 3.11 APIs with Cosmos DB NoSQL integration and responsive frontend supporting concurrent user sessions.
- Deployed Infrastructure as Code using 4 Bicep templates and automated CI/CD pipeline, reducing deployment time from 15 minutes to 2 minutes.
- Architected scalable cloud solution with automatic scaling and comprehensive monitoring via Application Insights.

Glight Cutz Online Booking System | *Python, Flask, MongoDB, Javascript*

December 2024

Co-Founder & Lead Developer

- Developed and deployed an online appointment booking system using Python, Flask, and MongoDB, enabling seamless scheduling for customers and streamlining business operations.
- Achieved user adoption by 500+ active clients, optimizing the appointment process with integrated features such as email notifications and real-time availability updates.
- Designed an intuitive, mobile-responsive interface with HTML, CSS, and JavaScript, enhancing the user experience and increasing customer retention by 30%.
- Implemented secure user authentication and an admin dashboard for managing appointments and availability, ensuring data integrity and operational efficiency.

TECHNICAL SKILLS

Languages: Python, Java, C, JavaScript, Powershell, Bash, Rust, HTML/CSS, SQL, MATLAB

Technologies/Frameworks: Git, GitHub, Node.js, React.js, Docker, Azure, AWS, Citrix, MongoDB, Terraform, IntelliJ

CERTIFICATIONS

AWS Certified Cloud Practitioner

Issued by Amazon Web Services

Microsoft Certified: Azure Fundamentals

Issued by Microsoft

AT&T Technology Academy

Completed Externship Program