**Jake Gresh**

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**SUMMARY**

Detail-oriented summa cum laude Computer Science graduate specializing in **cybersecurity, IT infrastructure, and systems administration**. Experienced in **cloud environments (Oracle, AWS, GCP), Linux/Unix administration**, and **network configuration**. Delivered secure, production-ready solutions including high-traffic sites, automated backup systems, DNS management, and malware/spam prevention. Adept with IT & cybersecurity principles that improve reliability and security.

**EDUCATION**

**B.S. Computer Science** May 2025

Arizona State University, Tempe, AZ 3.93 GPA

Relevant Courses: Data Structures & Algorithms, Assembly, Cybersec, Software Engineering, Databases, Project Management

**SKILLS**

**Security & Systems**: Linux/Unix Admin, Network Config, DNS, SSL/TLS, Backup/Recovery, Spam/Malware Mitigation

**Cloud & Infra**: Oracle Cloud Infrastructure (OCI), AWS, Google Cloud Platform (GCP), Virtual Machines, CI/CD Pipelines

**Programming & Scripting**: Python, C/C++, C#, Java, Bash, JavaScript

**Databases**: PostgreSQL, Firestore Firebase, SQL

**Other Tools**: Git/GitHub, JSON, Docker, WordPress, Microsoft Office, GDB

**Certifications**: Advanced Accessibility for Web Developers (ASU, 2024)

**PROFESSIONAL EXPERIENCE**

**ApisLogic, *San Diego, CA*: Automation Development Contractor** May2025 - Present

* Designed **secure automation workflows** using n8n, Make, and Zapier with custom Python/JavaScript
* Rewrote automation code, reducing hosting costs by 91% and doubling throughput
* Implemented proxy-based **web scraping**, emphasizing reliability and security

**ACTS - Anthem Cares Through Service, *Anthem, AZ*: Web & Systems Developer** Mar 2025 - Present

* Migrated nonprofit infrastructure to **Oracle Cloud Infrastructure**, supporting 1,000+ volunteers
* Implemented **security hardening** by blocking 100% of malicious form submission spam
* Automated system **backups, patching, and updates** to improve uptime and stability

**Freelance Work, *Phoenix, AZ*: IT & Infrastructure Consulting** Jun2023 - Present

* **Configured DNS records** across GoDaddy and AWS ensuring 100% uptime and reliable email routing
* Secured and automated **contact form workflows**, preventing spam and supporting encrypted email delivery

**Parker Dewey, *Austin, TX*: Mobile Development Intern** Feb 2025 - Mar 2025

* Integrated Google Cloud Platform (GCP) services and **Firestore NoSQL databases** for secure data handling
* Automated CI/CD pipelines with **GitHub Actions** to support deployment and patching
* Enhanced application scalability and reliability across iOS/Android platforms

**PROJECTS**

**NASA Educational Web Game (*Unity, C#)*** Fall 2024 - Spring 2025

* Led GitHub version control and Agile project management for a NASA-sponsored educational game
* Delivered a cross-platform solution demonstrating secure coding and system deployment practices

**Restaurant Database App *(React.js, PostgreSQL, Linux)*** Fall 2024

* Built backend database and API hosted on **OCI Linux VM**, including secure API endpoints
* Implemented **user authentication and data integrity** features

**Building a Web Server, *Class Project*** Fall 2023

* Implemented **TCP/IP network communication** and HTTP handling at the assembly level.
* Supported multi-processing for concurrent client requests