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Experience

Technica Corporation

September 2023 – Present

Systems Administrator

Dulles, Virginia

- Implemented comprehensive data governance solution using Microsoft Purview, incorporating sensitivity labels, Activity Explorer logging, DLP restrictions, and CMMC 2.0 compliance tooltips
- Engineered network solutions including out-of-band management, RADIUS authentication on Juniper switches, Zabbix, Graylog, backup, and other servers in VMware, and Windows Server RADIUS implementation
- Administers Microsoft 365 user accounts and license allocations, optimizing resource utilization and access management; identified and reclaimed 50 unused licenses, improving cost efficiency
- Engineered PowerShell and Python scripts leveraging Microsoft Graph API, notably automating HR data synchronization with Microsoft 365, resulting in 4-hour weekly time savings for critical business processes
- Analyzes Palo Alto firewall logs to enhance security posture, delivering actionable insights and technical recommendations to leadership for informed decision-making

Projects

Goal Tracking App | *React, Next, NextAuth, Firebase, Tailwind, Three.js, Vercel*

August 2024

- Developed a full-stack notetaking app using React, Next.js, Firebase, NextAuth Google authentication, hosted on Vercel
- Implemented robust error handling for edge cases, such as preventing unintended deletion of all tabs or notes
- Designed dynamic UI components with Tailwind CSS, including a calendar screen that sorts goals based on scheduled dates (e.g., "1 day away," "1 week away")
- Conducted multiple Firebase database migrations to support evolving project requirements and schema changes
- Integrated Three.js to render a 3D model on the homepage, enhancing user experience with interactive visual elements

PostgreSQL Business Report | *PostgreSQL, Word*

August 2024

- Analyzed PostgreSQL database, proposed business enhancements, garnering positive college leadership feedback
- Developed PostgreSQL functions, a trigger, and a stored procedure that work together to keep business reports relevant
- Created detailed and summary tables with appropriate aggregation to maintain data freshness
- Documented the project in a comprehensive report using Microsoft Word and proposed a schedule for regular report execution to ensure up-to-date data

Education

Western Governor's University

April 2024 – June 2025

Bachelor of Science in Computer Science, ABET Accredited

Salt Lake City, Utah

Northern Virginia Community College

January 2022 – August 2023

Associate of Applied Science in Information Systems 3.8 GPA

Annandale, Virginia

Northern Virginia Community College

January 2022 – August 2023

Associate of Applied Science in Cloud Computing 3.8 GPA

Annandale, Virginia

Relevant Coursework

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|------------------------|-----------------------|---------------------------|-------------------------|
| • Data Structures | • Algorithms Analysis | • Artificial Intelligence | • Systems Programming |
| • Software Methodology | • Database Management | • Internet Technology | • Computer Architecture |

Technical Skills

Languages: HTML/CSS, Javascript, SQL(PostgreSQL, MySQL), Python, Go, Ruby, Java

Developer Tools: VS Code, IntelliJ Idea, Firebase, Google Cloud Platform, Amazon Web Services, Microsoft 365, Git

Technologies/Frameworks: Linux, React, Next, Node, Tailwind, Jekyll, WordPress, Express, Flask, Selenium, Spring Boot, GitHub, Palo Alto Firewall, Junos, Firebase, Microsoft Office

Relevant Certifications: AWS Solutions Architect Associate, AWS Cloud Practitioner, CompTIA Linux+, CompTIA Security+, CompTIA Network+, Azure Fundamentals, Microsoft 365 Fundamentals, Palo Alto PCNSA

Leadership / Extracurricular

The Computer Science / Coding Club

May 2023 – Sept 2023

President

Northern Virginia Community College

- Advanced from treasurer to president, leading a 450-member club and demonstrating organizational management skills
- Built club website with club members using React, GitHub, and Vite <https://nvcc-coding-club.netlify.app/>
- Coordinated with members to provide meeting topics and guest speakers to achieve an **80% participation increase**