David Barron

Blacksburg, VA | 571-492-2873 | dbarron410@vt.edu

EDUCATION

Virginia Tech University   Blacksburg, VA

Bachelor of Science in Business Information Technology
Graduated: May 2024
GPA: 3.6/4.0

WORK EXPERIENCE

Pearson   Remote
Cloud engineering Intern   May 2023 – Aug 2023
- Implemented cost-saving initiatives within Pearson's infrastructure that saved the company more than $200,000 by the completion of the internship.
- Utilized Git for version control in conjunction with AzureDevOps for the implementation of Continuous Integration and Continuous Deployment (CI/CD), primarily working with Terraform and Ansible code.
- Leveraged Terraform for creating Azure infrastructure as well as the enhancement and modification of pre-existing infrastructure.
- Employed Ansible workflows via AWX to propagate configuration changes to many Azure resources, primarily configuring newly created VMs.
- Managed and deployed clusters using Kubernetes.

Premier Inc.   Remote
Information Security Intern   May 2022 – Sep 2022
- Collaborated with the Cloud Security Team to assess and implement changes within their cloud architecture.
- Facilitated the migration of accounts and servers from on-premise to the cloud by establishing privileged access accounts and integrating accounts into the security tool CyberArk.
- Performed Insider Risk Management by drafting policies, analyzing alerts, and escalating relevant alerts through Microsoft IRM.
- Contributed to Active Directory Cleanup by generating reports using PowerShell and Excel and making appropriate modifications to Active Directory based on the report findings.

Triple Point Security   Blacksburg, VA
Cybersecurity Intern   Feb 2022 – May 2022
- Designed and helped implement successful phishing campaigns to educate clients on security awareness.
- Configured cloud resources and designed secure architecture in AWS and Azure.
- Performed network and agent vulnerability scanning using Nmap and OpenVAS.

PERSONAL PROJECTs

Juno (https://www.junoai.io/)

- **Description:** A full-stack web application for creating and interacting with highly customizable LLM's directly with the web browser. Juno allows users to mix-and-match LLM's, prompts, life-like voices, and extensions (to provide capabilities not inherited by LLM) to allow users to tailor their AI for any scenario or use case.
    - **Technologies used:** TypeScript, CSS, HTML, React, MongoDB, Git

LimoTrack (https://limo-track.vercel.app/)

- **Description:** A full-stack web application developed for a local car rental company to showcase, manage, and track rentals efficiently.
    - **Technologies used:** TypeScript, CSS, HTML, React, MongoDB, Git

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, Java, Bash
Web Technologies: HTML, CSS, Tailwind CSS, React
Cloud Technologies & DevOps Tools: Azure, Git, Docker, Kubernetes, Terraform, AWS S3, MongoDB