

Seamus Hennigan

Cybersecurity student at Johnson & Wales University pursuing a B.S. in Cyber Threat Intelligence & Defense (2028), with a focus in Cloud Security, Information Security, and database design & security. Proficient in Python, x86 32-bit MASM Assembly (Intel), Bash/Zsh, SQL and more. Currently I serve as Treasurer of the National Cybersecurity Student Association, where I coordinate events and manage organizational resources. I am actively building on my technical skills through independent projects and research. I am committed to advancing modern cybersecurity practices and contributing to secure infrastructure solutions.

EXPERIENCE

Johnson & Wales University, Providence, RI

January 2026 - Present

Assistant Network Technician

- Supported campus network operations by ensuring reliable end-user connectivity and overall system performance.
- Responded to service desk tickets related to both data and voice networking issues.
- Diagnosed and resolved wired and wireless network problems, including testing and troubleshooting data jacks and Wi-Fi access points.
- Configured network switches, access points, and end-user devices to meet university standards.
- Maintained network closets, ensuring organized cabling, proper equipment function, and clean environment.
- Patched network jacks into appropriate switch ports during new deployments or troubleshooting.
- Installed, configured, and tested VoIP phones, headsets, and related hardware.
- Replaced faulty or degraded networking equipment across campus as needed.
- Assisted with large-scale campus networking initiatives, including upgrades, new installations, and access-point rollouts.

Projects

CNB Bank (March 2026 – Present):

- Architected and deployed a cloud native banking and investment platform using Terraform, Docker, and a self-managed Kubernetes cluster on Raspberry Pi with a self-hosted MySQL, secured through AWS API Gateway and Cloudflare Tunnel
- Built a DevSecOps CI/CD pipeline using Jenkins with automated prowler security scanning on every deployment enforcing least privilege IAM policies, WAF protection across multiple independently deployable microservices
- Developed a live market data ingestion pipeline and core banking system with unified React frontend, Cognito authentication, and Prometheus and Grafana monitoring dashboard providing real time visibility across all services

WeatherETL (January 2026 – February 2026):

- Built an AWS based ETL data pipeline with EventBridge scheduling to automatically trigger services like S3 buckets, and lambda for data cleaning and restructuring
- Built and designed a PostgreSQL database hosted on an EC2 as an IaaS solution with optimized schema design for weather observations and data quality logging
- Built interactive dashboard using Docker-containerized Apache Superset, enabling 24-7 access to an interactive visualization of data

PERSONAL INFO

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<https://seamus->

hennigan.github.io/cybersec-portfolio/

<https://www.linkedin.com/in/seamus->

hennigan-960a43296/

<https://github.com/Seamus-Hennigan>

PROFESSIONAL SKILLS

Languages:

Python, x86 32-bit MASM Assembly (Intel), Bash/Zsh, SQL, HTML, C, JavaScript

Operating Systems:

Linux, Windows 10-11

Networking:

Cisco IOS, Wireshark, Nmap, Subnetting & Network Troubleshooting, VPC Architecture, NAT Gateway, PuTTY

Security:

Metasploit, Security Groups, IAM Least Privilege, DevSecOps, WAF, GuardDuty, Prowler

Container & Cloud Infrastructure

AWS, Docker, Docker Compose, ECS Fargate, Kubernetes, Kubectl, Amazon EKS, Helm, Kubeadm, Terraform, IAC

Databases:

PostgreSQL, MySQL Workbench, Database Management & Design

Development Tools:

GitHub Actions, Visual Studio, JetBrains IDEs, PowerShell ISE

EDUCATION

Johnson & Wales University,
Providence, RI

Bachelor of Science in Cyber Threat Intelligence & Defense

Expected Graduation: April 2028

Involvement: Treasurer, National Cybersecurity Student Association

