

MARSHALL HAYMOND

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Education

Western Governors University

June 2024 - May 2025

Master of Science, Cybersecurity and Information Assurance

- Prominent Coursework: Cloud Security, Penetration Testing, Secure Network Design, Secure Software Design
- Projects: Secure network architectures (segmentation, monitoring, defense-in-depth)

Brigham Young University

August 2019 - July 2022

Bachelor, Computer Science; Minor in System Administration

- Prominent Coursework: Systems Security, Network Design, Algorithms & Complexity, Parallelism and Concurrency
- Senior Project: FamilyBlock, a blockchain solution that lets users store a family tree by utilizing a smart contract

Relevant Experience

Fidelity Investments

January 2023 - Present

Software Engineer

Salt Lake City, Utah

- Developed and maintained REST APIs using NestJS and TypeScript, implementing secure authorization (OAuth2, JWT) and performing security-focused code reviews to mitigate OWASP Top 10 vulnerabilities
- Led a large cross-team initiative to harden REST API authentication systems, eliminating authorization gaps and enhancing enterprise application security
- Integrated monitoring (Datadog) and artifact management (Artifactory) into CI/CD pipelines, enhancing build traceability and security posture
- Deployed and managed AWS infrastructure (EC2, S3, RDS, IAM, SSM, Secrets Manager, EKS) to improve reliability, reduce costs, and scale enterprise applications
- Collaborated with InfoSec to remediate penetration test findings and align codebases with secure development lifecycle (SDLC) standards
- Managed database integrations and optimized SQL queries on AWS RDS to improve performance and reduce latency
- Developed and maintained secure CI/CD pipelines using Jenkins and GitHub Actions, embedding DevSecOps automation for consistent and compliant deployments

Full Stack Engineer Intern

June 2022 - August 2022

- Designed and evaluated login and authentication workflows for new applications, ensuring secure access controls
- Developed React-based web application demos to showcase seamless multi-login integration for businesses
- Researched and proposed two-factor authentication solutions to enhance security for web applications

Full Stack Engineer Intern

June 2021 - August 2021

- Improved API lifecycle processes using Agile methodologies
- Revamped web application performance by implementing server-side caching, in turn improved application response times by 50%
- Engaged in developing strategies to improve API development life cycle

Brigham Young University Hackathon Competition

June 2022

Software Developer

- Developed Python-based voice commands for an Alexa-like AI, integrating multiple APIs for real-time book narration
- Led project coordination and presented solutions to a live audience
- Coordinated and motivated the team, ensuring efficient collaboration and meeting competition objectives

Tools and Certifications

Certifications

- CompTIA CySA+, CompTIA PenTest+, AWS Certified Cloud Practitioner
- System Administration Certification Brigham Young University-Idaho
- Pursuing Offensive Security Web Expert (OSWE)

Competent

- Python, TypeScript, Node.js, NestJS, SQL, Bash
- OWASP Top 10, Threat Modeling, Static/Dynamic Code Analysis, IAM Policy Design, DevSecOps Automation
- AWS (EC2, EKS, RDS, S3, IAM, SSM, Secrets Manager), Kubernetes, Docker
- Jenkins, GitHub Actions, Artifactory, Datadog, Groovy, REST APIs

Leadership

Fidelity LEAP Mentor Program

June 2024 - October 2025

Mentor

- Mentored newly hired employees, guiding them through company practices, procedures, and culture
- Provided ongoing support to help new employees integrate into their roles, ensuring a smooth transition
- Facilitated knowledge-sharing sessions to ensure new hires transitioned smoothly and confidently into their roles