

# MARSHALL HAYMOND

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## Education

<b>Western Governors University</b> <i>Master of Science, Cybersecurity and Information Assurance</i>	June 2024 - May 2025
<b>Brigham Young University</b> <i>Bachelor, Computer Science; Minor in System Administration</i>	August 2019 - July 2022

**Western Governors University**  
*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**  
*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

<b>Fidelity Investments</b>	January 2023 - Present
<i>Software Engineer</i>	Salt Lake City, Utah
<ul style="list-style-type: none"><li>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</li><li>Led a large cross-team initiative to harden REST API authentication systems, eliminating authorization gaps and enhancing enterprise application security</li><li>Integrated monitoring (Datadog) and artifact management (Artifactory) into CI/CD pipelines, enhancing build traceability and security posture</li><li>Deployed and managed AWS infrastructure (EC2, S3, RDS, IAM, SSM, Secrets Manager, EKS) to improve reliability, reduce costs, and scale enterprise applications</li><li>Collaborated with InfoSec to remediate penetration test findings and align codebases with secure development lifecycle (SDLC) standards</li><li>Managed database integrations and optimized SQL queries on AWS RDS to improve performance and reduce latency</li><li>Developed and maintained secure CI/CD pipelines using Jenkins and GitHub Actions, embedding DevSecOps automation for consistent and compliant deployments</li></ul>	
<i>Full Stack Engineer Intern</i>	June 2022 - August 2022
<ul style="list-style-type: none"><li>Designed and evaluated login and authentication workflows for new applications, ensuring secure access controls</li><li>Developed React-based web application demos to showcase seamless multi-login integration for businesses</li><li>Researched and proposed two-factor authentication solutions to enhance security for web applications</li></ul>	
<i>Full Stack Engineer Intern</i>	June 2021 - August 2021
<ul style="list-style-type: none"><li>Improved API lifecycle processes using Agile methodologies</li><li>Revamped web application performance by implementing server-side caching, in turn improved application response times by 50%</li><li>Engaged in developing strategies to improve API development life cycle</li></ul>	
<b>Brigham Young University Hackathon Competition</b>	June 2022
<i>Software Developer</i>	
<ul style="list-style-type: none"><li>Developed Python-based voice commands for an Alexa-like AI, integrating multiple APIs for real-time book narration</li><li>Led project coordination and presented solutions to a live audience</li><li>Coordinated and motivated the team, ensuring efficient collaboration and meeting competition objectives</li></ul>	

## Tools and Certifications

<b>Certifications</b>	
<ul style="list-style-type: none"><li>CompTIA CySA+, CompTIA PenTest+, AWS Certified Cloud Practitioner</li><li>System Administration Certification Brigham Young University-Idaho</li><li>Pursuing Offensive Security Web Expert (OSWE)</li></ul>	
<b>Competent</b>	
<ul style="list-style-type: none"><li>Python, TypeScript, Node.js, NestJS, SQL, Bash</li><li>OWASP Top 10, Threat Modeling, Static/Dynamic Code Analysis, IAM Policy Design, DevSecOps Automation</li><li>AWS (EC2, EKS, RDS, S3, IAM, SSM, Secrets Manager), Kubernetes, Docker</li><li>Jenkins, GitHub Actions, Artifactory, Datadog, Groovy, REST APIs</li></ul>	

## Leadership

<b>Fidelity LEAP Mentor Program</b>	June 2024 - October 2025
<i>Mentor</i>	

**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