

MARSHALL HAYMOND

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Product-minded Software Engineer with 3+ years of experience building production systems used in high-impact, production environments. Strong background in Python, TypeScript, cloud-native architecture, and secure data handling. Comfortable taking full ownership of features end-to-end, learning new technologies quickly, and delivering under tight deadlines.

Relevant Experience

Fidelity Investments	January 2023 - Present
<i>Software Engineer</i>	Salt Lake City, Utah
<ul style="list-style-type: none">Designed, prototyped, and maintained cloud-native REST APIs using NestJS and TypeScript for distributed microservice architectures on AWS EKS, implementing OAuth2/JWT authorizationDeveloped systems with an emphasis on auditability, traceability, and operational transparency, supporting compliance and external stakeholdersReduced technical debt and optimized service resource usage, contributing to a ~15% reduction in monthly cloud operating costsStreamlined deployment and release processes across teams, cutting application release time by ~20% and improving rollout consistencyContributed to infrastructure and code reviews, sharing best practices to improve reliability, security, and maintainabilityParticipated in on-call support and production issue resolution, balancing speed with correctness in high-impact situations	
<i>Full Stack Engineer Intern</i>	June 2022 - August 2022
<ul style="list-style-type: none">Designed and evaluated authentication and login workflows for new applications, implementing secure access controls and industry best practicesDeveloped React-based web application demos to demonstrate multi-login and identity integration for business use casesResearched, evaluated, and proposed two-factor authentication (2FA) solutions to strengthen web application security	
<i>Full Stack Engineer Intern</i>	June 2021 - August 2021
<ul style="list-style-type: none">Improved API development lifecycle by applying Agile methodologies, increasing development efficiency and release consistencyEnhanced web application performance by implementing server-side caching with Redis, reducing response times by ~50%Contributed to API design, optimization, and lifecycle improvements in a collaborative Agile environment	

Education

Western Governors University	June 2024 - May 2025
<i>Master of Science, Cybersecurity and Information Assurance</i>	
<ul style="list-style-type: none">Prominent Coursework: Cloud Security, Penetration Testing, Secure Network Design, Secure Software DesignProjects: Secure network architectures (segmentation, monitoring, defense-in-depth)	
Brigham Young University	August 2019 - July 2022
<i>Bachelor; Computer Science; Minor in System Administration</i>	
<ul style="list-style-type: none">Prominent Coursework: Algorithms & Complexity, Parallelism and Concurrency, Systems Security, Network DesignSenior Project: FamilyBlock, a blockchain solution that lets users store a family tree by utilizing a smart contract	

Tools and Certifications

Languages	<ul style="list-style-type: none">Python, TypeScript, Node.js, SQL (MySQL), Bash
Cloud & Infrastructure	<ul style="list-style-type: none">AWS: EC2, EKS, RDS, S3, IAM, SSM, Secrets ManagerDocker, Kubernetes, Helm, Git, Jenkins, DataDog
Certifications	<ul style="list-style-type: none">AWS Certified Cloud Practitioner,CompTIA CySA+, CompTIA PenTest+Machine Learning & AI Certification Brigham Young University

Leadership

Fidelity Next Step Network	November 2024 - Present
<i>Mentor</i>	
<ul style="list-style-type: none">Provided technical and career guidance to incoming engineers, helping them build skills relevant to their roles and ramp up effectivelyFacilitated knowledge-sharing sessions covering team workflows, tooling, and expectations to accelerate onboardingServed as a point of contact for questions on engineering practices, career growth, and navigating company processes	