

MARSHALL HAYMOND

720-666-2548 | marshallhay@msn.com | linkedin.com/in/marshall-haymond

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

Software Engineer

Salt Lake City, Utah

- Designed, prototyped, and maintained cloud-native REST APIs using NestJS and TypeScript for distributed microservice architectures on AWS EKS, implementing OAuth2/JWT authorization
- Developed systems with an emphasis on auditability, traceability, and operational transparency, supporting compliance and external stakeholders
- Reduced technical debt and optimized service resource usage, contributing to a ~15% reduction in monthly cloud operating costs
- Streamlined deployment and release processes across teams, cutting application release time by ~20% and improving rollout consistency
- Contributed to infrastructure and code reviews, sharing best practices to improve reliability, security, and maintainability
- Participated in on-call support and production issue resolution, balancing speed with correctness in high-impact situations

Full Stack Engineer Intern

June 2022 - August 2022

- Designed and evaluated authentication and login workflows for new applications, implementing secure access controls and industry best practices
- Developed React-based web application demos to demonstrate multi-login and identity integration for business use cases
- Researched, evaluated, and proposed two-factor authentication (2FA) solutions to strengthen web application security

Full Stack Engineer Intern

June 2021 - August 2021

- Improved API development lifecycle by applying Agile methodologies, increasing development efficiency and release consistency
- Enhanced 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

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

Tools and Certifications

Languages

- Python, TypeScript, Node.js, SQL (MySQL), Bash

Cloud & Infrastructure

- AWS: EC2, EKS, RDS, S3, IAM, SSM, Secrets Manager
- Docker, Kubernetes, Helm, Git, Jenkins, DataDog

Certifications

- AWS Certified Cloud Practitioner,
- CompTIA CySA+, CompTIA PenTest+
- Machine Learning & AI Certification Brigham Young University

Leadership

Fidelity Next Step Network

November 2024 - Present

Mentor

- Provided technical and career guidance to incoming engineers, helping them build skills relevant to their roles and ramp up effectively
- Facilitated knowledge-sharing sessions covering team workflows, tooling, and expectations to accelerate onboarding
- Served as a point of contact for questions on engineering practices, career growth, and navigating company processes