

Jay Lowry

(989) 751 5744 | jay.lowry350@gmail.com | www.linkedin.com/in/jay-lowry | jaylowry.com

EDUCATION

Master of Information Systems Management | Bachelor of Information Systems

May 2025

Brigham Young University, Marriott School of Business

Provo, UT

- GPA 3.84
- Minor in Computer Science
- Member – Association for Information Systems (AIS)
- Member – Association for Computing Machinery (ACM)
- Specialized Courses: Software Systems Architecture, Machine Learning, Database Systems, Project Management, Kubernetes, Full Stack Engineering

EXPERIENCE

Cloud Infrastructure Engineer

2023 – Present

Brigham Young University Office of Information Technology

Provo, UT

- Architected multi-university AWS infrastructure using IAC - VPCs and network infrastructure
- Guided developers in troubleshooting AWS resources including Load Balancers, Autoscaling Groups, Code Pipelines, Lambda Functions, API Gateway, and more
- Directed discovery of AWS Control Tower implementation. Conducted technical research, created cloud infrastructure, and coordinated with external teams, project expected to cut engineering hours by 90%
- Resolved security vulnerabilities across resources and networks in an AWS environment.
- Created automation scripts in Python to decrease engineering time by 50%

Quality Assurance Engineer Intern

May 2023 – Aug 2023

The Church of Jesus Christ of Latter-day Saints

Riverton, UT

- Oversaw operation of Microsoft Azure Deployment Pipelines for testing and verification, implementing Azure and AWS services such as Lambda, DynamoDB, and CloudFront
- Enhanced customer experience through reviewing functionality of web applications and facilitating deployments of new code, expanding throughput of feature deliveries to customers by 100%
- Coordinated work with analysts and product owners to ensure requirements were implemented, improving communication and coordination in the team

Level 2 Computer Help Desk Technician

Feb 2021 – Oct 2023

Brigham Young University Department of Physics and Astronomy

Provo, UT

- Managed a network of over 800 endpoints, increasing customer satisfaction by 40 points
- Captained a team to rebuild inventory data, boosting data integrity by 30%
- Modernized API integrations from a local inventory system to a web database using JavaScript
- Pioneered formation of a specialized project team to enhance visibility and collaboration. Utilized agile methodology to define goals, conduct effective meetings, and achieve project success

TECHNICAL SKILLS & ACHIEVEMENTS

- **Certifications:** AWS Solutions Architect Associate – 2024, Professional Scrum Master – 2023, Azure Administrator Associate - 2024
- Experienced in AWS, Python, Microsoft Azure, GitOps, SQL, network, Terraform, application architecture, Java
- Proficient with JavaScript, React, Docker, cybersecurity, Kubernetes, LLMs
- Professional proficiency in the Vietnamese Language
- Spent 1 year volunteering in Vietnam and Cambodia

PROJECTS

- Serverless website created through AWS leveraging S3, CloudFront, and ACM, all managed through Terraform with automated deployment through GitOps – written in JavaScript/React
- Homelab/Home network with home-built servers: DNS server, virtualization/Docker compute server, and NAS
- Terraform module to set up static website on AWS using latest serverless design principles and security practices