

Nathaniel Mitchell

Phone: (385) 243-8544 | Email: nathanielmit@gmail.com

Github: github.com/nathanielmit | LinkedIn: linkedin.com/in/nathanielmit

Website: nathanielmitchell.com

Summary

AWS Solutions Architect Professional with 4 years of experience in full-stack software development, cloud architecture, and cybersecurity automation. Proven ability to design, build, and deploy scalable cloud-native applications, optimize infrastructure, and integrate security solutions. Adept at leading development efforts, automating complex processes, and delivering data-driven insights to improve efficiency. Passionate about solving challenging problems, mentoring teams, and driving innovation in software and security engineering.

Education

Brigham Young University – Provo

Bachelor of Science in Computer Science

Graduated Dec 2020

Certifications:

AWS Solutions Architect Professional

AWS Developer Associate

Hashicorp Certified: Terraform Associate

GIAC Cloud Security Automation

Work Experience

- **Full-Stack Software Developer** The Church of Jesus Christ of Latter-day Saints
Oct 2022 – Present
 - Lead architecture design and implementation of 7 cloud native applications, including web UI, user authentication, service/data integrations, infrastructure as code.
 - Built web application to ingest O365 defender phishing simulation data to generate 20+ reports for various organization leadership including data visualizations and customization options. Replaced ~60 hours/week of manual report creation.
 - Used serverless architecture to run scheduled job to query 5 API data sources for 500,000 records as an integration with log aggregator for security analysis. Reduced time spent by security analysts querying investigation data by 80%.
 - Built public vulnerability submission page, including ticket tracking integration, security department notification and workflow through GRC processing.
- **Full-Stack Software Developer** Verisk/Xactware
Mar 2021 – Oct 2022
 - Worked with large, complex, code base with agile team collaboration.
 - Implemented API integration of industry leading feature using Typescript (Angular), Java (Spring), worked with product managers for styling excellence, keeping us in the top 3 of home valuation software in the world.
 - Resolved 90%+ of error logs sent to log aggregator saving \$100k+/year.

- **Security Analyst 2**

The Church of Jesus Christ of Latter-day Saints

Jan 2020 - Mar 2021

- Threat detection & Incident Response – Monitored security events, investigated potential threats, and responded to incidents using PICERL methodology.
- Used industry standard technologies including NIDS, WAF, log aggregation searching & dashboards.
- Automated / scripted several workflows, including building custom and dynamic WAF event web page to optimize time spent analyzing events.

Projects

- **AES Encryption** - Implemented AES Encryption using FIPS standard documentation in Go. See <https://github.com/nathanielmit/AES>
- **Newsletter Service** – Service offered to Tech Simply Web Design customers. Uses postmark email service/API for sending batch emails, using custom html email templates, manages newsletter subscriptions through website registration and email verification, maintains email list in supabase.
- **Tech Simply Web Design** – Web Design / Development business building and hosting websites for small businesses. Hosting done in vercel, websites written in NextJS, typescript, tailwind. <https://www.techsimplywebdesign.com/>
- **Covenant Teaching** – AI Generated Lesson outlines for weekly “Come, Follow Me” Sunday School classes. An AWS Lambda runs weekly to generate new lesson outlines for different age groups. Uses OpenAI API, robust and dynamic AI prompt template, NextJS and Supabase for storing lesson outlines. <https://www.covenantteaching.com>
- **Project Requirements Reviser** – AI powered project requirements revision application. Uses OpenAI to help project managers improve project requirement descriptions. <https://www.pmcipher.techsimplywebdesign.com/>