

# Reuben Mulholland

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## SUMMARY

AWS Certified Solutions Architect with hands-on experience in serverless applications, Infrastructure-as-Code, and CI/CD pipelines on AWS. Skilled in multi-environment deployments, automation, and secure role-based access. Combines AWS infrastructure expertise with leadership experience in cybersecurity and aerospace/defense domains.

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## Professional Experience

### **Professional Development – Cloud/DevOps Projects** (remote)

**June 2025 – Present**

*Live project portfolio:* [reubenmulholland.com](https://reubenmulholland.com) | *GitHub:* [github.com/zReuben](https://github.com/zReuben)

- Developed a full-stack serverless site hosted on S3 + CloudFront, secured with ACM and Route53 DNS.
- Implemented a RESTful API (API Gateway → Lambda → DynamoDB) to track visitor count.
- Defined all resources as IaC in SAM/CloudFormation, avoiding hardcoding via parameters and SSM Parameter Store.
- Designed and deployed multi-account/multi-environment CI/CD pipelines in GitHub Actions, with a build once/promote many workflow using immutable artifacts, staged approvals, and one-minute infra & frontend rollbacks to any commit SHA.
- Automated testing (unit, integration, and end-to-end) in GitHub Actions (PyTest + JavaScript) to validate Lambda logic, API Gateway endpoints, and live site functionality before deployment.
- Optimized CI/CD to achieve ~10 min build/deploy loop across environments, reducing iteration cycle time.
- Applied security best practices: least-privilege IAM, explicit CORS, GitHub OIDC, Vault and MFA on all accounts.

### **Product Line Manager – Power Device Corporation** (remote)

**April 2023 – May 2025**

- Promoted twice in 2 years to lead Product Line Management and Applications Engineering departments, across 3 product lines: an acquired line requiring integration, a legacy line undergoing strategic revitalization, and a mature line in sustainment.
- Rebuilt and expanded the applications engineering team. Hired, trained, and mentored 2 direct reports.

### **Associate Product Manager – Owl Cyber Defense** (remote)

**April 2022 – January 2023**

- Applied agile practices as product owner for two scrum teams (6-8 members) to deliver cybersecurity products.
- Drove cross functional projects and execution with action-oriented meeting minutes capturing decisions and ownership.
- Partnered with hardware/software engineering teams to align go-to-market plans with technical requirements.

### **Applications Engineer – Data Device Corporation** (on-site)

**March 2019 – March 2022**

- Primary technical support for ASICs, monolithics, hybrids, embedded boards, and C SDKs, supporting 200+ global companies.
  - Created product enablement assets including battlecards, demos, troubleshooting guides, and FAQs to support sales.
  - Developed KPIs to track and optimize Applications Engineering productivity company-wide, increasing visibility and output.
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## Technical Skills

- **AWS:** S3, CloudFront, Route53, Lambda, API Gateway, DynamoDB, IAM, ACM, CloudFormation, SAM
  - **CI/CD & Security:** GitHub Actions, OIDC, AWS Vault, SSM Parameter Store, Shell Scripting, Linux
  - **Programming & Scripting:** Python (boto3, pytest), Bash, SQL, YAML, HTML, CSS, JavaScript
  - **Collaboration & Process:** Jira, Confluence, GitHub, Microsoft 365, Agile/Scrum
  - **Data & Analysis:** Excel (PivotTables, VLOOKUP), PowerBI, PostgreSQL
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## Education & Credentials

### **Stony Brook University**

- B.E. in Computer Engineering
- M.S. in Computer Engineering, Advanced Certification in Networking & Wireless Communications

### **Professional Development**

- AWS Certified Solutions Architect – Associate (Active)
- Completed certifications for CAPM & CSPO (PMI & Scrum Alliance)
- Udemy Complete SQL Bootcamp Certificate of Completion