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.

Professional Experience

Professional Development – Cloud/DevOps Projects (remote)   **June 2025 – Present**
Live project portfolio: reubenmulholland.com | *GitHub:* 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.

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, JSON, HTML, CSS, JavaScript
• **Collaboration & Process**: Jira, Confluence, GitHub, Microsoft 365, Agile/Scrum
• **Data & Analysis**: Excel (PivotTables, VLOOKUP), PowerBI, PostgreSQL

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