MICHAEL LINTON

Software Engineer

CONTACT

07809210905

hello@mikeylinton.com

Edinburgh, Scotland, UK

mikeylinton

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RELEVANT SKILLS

- Python
- AWS
- Terraform
- Docker
- Git
- Splunk
- Cribl
- TypeScript
- Go

SOFT SKILLS

- Teamwork
- Leadership
- Critical problem solving
- Customer service
- Time management

CERTIFICATION

Nov 2023 - Nov 2026

CRIBL

Level 1: Cribl Certified Observability Engineer (CCOE) User

EDUCATION

2017 - 2021

HERIOT-WATT UNIVERSITY

BSc (Hons) Computer Science

- Industrial Programming
- Computer Network Security
- Software Engineering
- Database Management Systems

PERSONAL PROFILE

Software Engineer with 3+ years of experience building and effectively maintaining a **serverless** multi-tenant **SOAR** application on **AWS**, managed using **Terraform**. I am highly proficient in building and integrating **APIs** using **Python**; and experienced in implementing **CI/CD** pipelines, containerising applications with **Docker**, and ensuring observability through **Splunk** and **AWS CloudWatch**.

I value a diverse and collaborative work environment where I can both learn and lead. My work emphasises **security**, **scalability**, **observability**, and **automation**. I am looking for a role where I can offer my programming expertise and grow into higher technical leadership positions.

WORK EXPERIENCE

SOFTWARE ENGINEER - LEVEL 2 | **JAN 2025 - JULY 2025**

Adarma Limited

- Effectively leading teams of 3 to 5 people to support coordination and to manage deployment of new features
- Delegating work and providing clear technical guidance for junior engineers to achieve project goals at high standards
- Frequently maintaining team morale by professionally and technically supporting team members while ensuring their well-being
- Efficiently leading technical architecture discussions and requirements gathering with customers and key stakeholders, evaluating platform capabilities and limitations whilst facilitating alignment between delivery, product, and customer teams on technical deliverables

SOFTWARE ENGINEER | **JAN 2023 - DEC 2024**

Adarma Limited

- Effectively managing in-house SOAR platform to support SOC team to maintain efficient operations
- Successfully integrating over 25 API platforms, including AWS, Microsoft (Graph/Sentinel/Defender), CrowdStrike, Splunk, ServiceNow, Jira, SentinelOne, Qualys, and many more
- Leading customer requirements gathering for bespoke integrations, facilitating stakeholder meetings, and translating business needs into technical deliverables
- Developing features for the in-house full-stack application using Go, TypeScript, Svelte, and TailwindCSS at a high standard
- Architecting scalable solutions including dynamic AWS API gateway and modular architecture to reduce deployment complexity
- Developing comprehensive documentation for onboarding customers of new technologies and in-house tools for knowledge transfer

SECURITY (SOAR) ENGINEER | **JAN 2022 - DEC 2022**

Adarma Limited

- Gathering customer requirements for bespoke security integrations through direct meetings and implemented custom solutions
- Developing features for in-house SOAR platform and integrating multiple security tools for automated incident response
- Successfully building CI/CD pipelines using Docker, Python, and Terraform to streamline deployments to AWS
- Deploying cloud and on-premises infrastructure to support remote access systems to integrate with in-house SOAR platform
- Debugging networking issues when deploying remote access servers to customers
- Developing security automation playbooks for in-house SOC team to build both the underlying SOAR infrastructure and alert response automation

INTERESTS

I enjoy learning new technologies, programming languages, and setting up home labs such as LLM mini-PC, DNS block lists, local media servers, etc. My most recent project is to learn Rust to build an efficient API on Cloudflare workers to stay within the free tier.

Here is a brief list of some of my other projects (click on the links below to find out more):

- ChatGPT-like interface using Ollama and Open WebUI secured using Cloudflare Zero Trust
- CLI tool for Twitch to identify known bots
- Twitch bot using IRC and WebSockets to interface with Twitch chat and OBS

I also really enjoy listening to new music, although my go-to genres are Math Rock, Metal, and Folk; and writing music. I mainly write atmospheric music like Folk and slow Math Rock on the guitar inspired by artists like Yvette Young, Tosin Abasi, and Alan Gogoll. I especially enjoy this with my friends as a creative process to work collaboratively, knowing when to give my input and when to listen.

In my downtime, like many software developers, I love playing video games, specifically lore heavy stories like Clair Obscur: Expedition 33, God of War, and The Last of Us, as they spark my creativity and curiosity.

REFERENCES

References provided upon request

PROFESSIONAL PROJECTS

GOOGLE SECOPS SOAR | **JUNE 2024 - JUNE 2025**

Attending Google security bootcamp to receive training on the new product 'Google SecOps', providing Adarma with competitive advantage

- Successfully leading the new implementation of bidirectional integration between in-house SOAR application and Google SecOps platform to assist the company with staying on top of the latest security platforms
- Attending Google security bootcamp in Munich to gain comprehensive understandings of the security suite and its capabilities
- Assisting cross-company functions (i.e. delivery, product, engineering) to inform executive decision-making on sales, marketing, and customer service

CRIBL LOG TRANSFORMATION | **OCT 2023 - JAN 2024**

Reducing data ingest by 45% by extracting Indicators of compromise from logs and reducing customers costs by £70K+

- Architecting distributed, multi-tenant infrastructure using AWS ECS with automated scaling across availability zones
- Designing secure storage architecture with AWS EFS access controls and S3 customer segregation
- Implementing CI/CD pipeline for standardised deployments using Docker across multiple environments
- Successfully configuring AWS CloudWatch alarms to monitor data egress from Cribl to downstream applications
- Implementing Cribl edge node monitoring with webhook notifications to Microsoft Teams channels

MIGRATING LIVE SERVICE FROM EC2 TO ECS | **APRIL 2023 - JULY 2023**

Reducing deployment time by 60% and downtimes from minutes to seconds

- Leading infrastructure migration of Go/TypeScript full-stack application from manual EC2 deployment to automated ECS using Terraform, Docker, and CI/CD
- Mentoring team members on Terraform implementation and conducting knowledge transfer through recorded presentations and hands-on support
- Streamlining deployment process to eliminate the need for manual scripts and post-deployment validation requirements
- Implementing automated and efficient zero-downtime deployments using ECS rolling updates, with automated rollback capabilities for failed deployments
- Standardising deployment methodology to ensure consistency of deployment procedures

SECURITY VALIDATION FOR CI/CD | **APRIL 2022 - MAY 2022**

Implementing enhanced security posture by preventing security vulnerabilities and secret exposure from reaching production

- Implementing SAST (Static Application Security Testing) and secret detection script to validate codebase security before deployment across all technology stacks
- Creating centralised repository for Static Application Security Testing to ensure consistent security practices applied to all development stacks
- Integrating security validation into CI/CD pipelines to prevent deployment of vulnerable codes and exposed secrets