

# Marco Endrizzi

Senior Platform Engineer | 16x AWS Certified

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## Summary

Senior Cloud Consultant at Storm Reply, promoted to Senior after 18 months, the fastest progression to Senior in the firm's UK history. Lead engineer on **TUI's** agentic product-development platform on Amazon Bedrock AgentCore; before that, platform and monitoring consultant at **Allwyn**, operator of the UK National Lottery. UK Settled Status.

## Skills

**Cloud:** AWS (EC2, S3, VPC, IAM, Lambda, ECS, EKS, RDS, DynamoDB, API Gateway, SQS, EventBridge, Bedrock AgentCore), Azure (Entra ID, Functions)

**DevOps & IaC:** Terraform, Kubernetes (EKS), Docker, Helm, Ansible, Linux, Bash

**Monitoring:** Grafana, CloudWatch, Sensu

**CI/CD:** GitHub Actions, GitLab CI/CD, Jenkins

**AI engineering:** Claude Code, Codex, Kiro, Amazon Bedrock AgentCore, multi-agent orchestration and cost tracking

**Languages & web:** Python, TypeScript/JavaScript, SQL, Rust, React, Vue.js

**Practices:** Scrum, platform engineering, serverless architecture, technical interviewing, mentoring, line management

## Experience

**Senior Cloud Consultant**, Storm Reply – London, UK

Mar 2025 – present

- Lead engineer on **TUI's** AI product-development lifecycle project, an agentic platform that takes a Jira ticket through requirements, architecture, implementation, and code review. Moving a ticket to Agent Ready hands it to agents on Amazon Bedrock AgentCore, and GitLab webhooks trigger each round of development and review.
- Built the orchestration layer so Claude Code, Codex, and Kiro are interchangeable, with per-agent token and cost tracking, logging, and tracing. Also shipped local Kiro agents that apply **TUI's** product guidelines during discovery.
- Architected **NSG's** hybrid networking (Transit Gateways, site-to-site VPN, Route 53 Resolver, interface endpoints) and set up agentic development on their repository, wiring Claude Code into Jira, Confluence, Figma and AWS to deliver 10+ full-stack screens, run client handover and feedback rounds, and land the project on a tight deadline.
- Smaller engagements: rewrote **TalentSensus's** pipelines (40 to 10 min, 15 min to 30s) at lower runner cost and reviewed its security and costs; proposed Lambda containers over ECS for **BIA**, cutting cost below the SOW estimate; built **SensorComms's** AWS landing zone from scratch.
- Lead the Product Guild, Storm UK's internal tooling group, and built its **Software Toolkit**, the firm's most-used internal tool: a Terraform scaffold that provisions serverless infrastructure, mocks APIs locally with AWS SAM, and gives each developer a per-branch sandbox. Used by 20+ engineers, cutting new-project setup from two weeks to a few hours, and to ship the internal Promotion App for goals and feedback.
- Author of the company's Terraform template for new AWS projects: 22 Claude Code and Codex skills, a plan-review skill that flags IAM widening, replacements and cost delta, tested hooks blocking destructive changes and unpinned modules, and CI that plans every environment per PR with gated apply.
- Lead technical interviewer for graduate hiring (2025 and 2026 cohorts); designed the process, question bank and assessment guidelines every interviewer uses.
- Line-manage a graduate consultant, co-organise Stormcademy, the company's frontend and backend training, and authored its certification-pathway guides, interview playbook and manager-onboarding docs.
- Rolled out company-wide SSO via IAM Identity Center; org admin for AWS, GitHub, Atlassian, Figma and Slack.

**Cloud Consultant I → III (skip-level promotion)**, Storm Reply – London, UK

Sept 2023 – Mar 2025

- **Monitoring & Alerting team (Sept 2024 to Apr 2026, continued after promotion):** personally requested by **Allwyn** (operator of the UK National Lottery) to move over from their platform team.
- Proposed and built the CloudWatch alarm solution for every resource across the AWS organisation: a Python/boto3 data source discovers resources across every account at plan time and Terraform generates alarms from per-service specs across compute, database, networking and more, applied daily by a GitHub Actions cron.
- Built the Grafana dashboards and Sensu checks that monitor the National Lottery's new AWS platform, still in daily use, replacing legacy Perl scripts along the way.
- Replaced the team's legacy internal web page with a fully private static React dashboard site on S3.
- Sped up the team's CI/CD: merged its repos into a monorepo, simplified pipelines, and refactored the Ansible playbooks.

- **Platform team (Sept 2023 to Sept 2024)**, also at **Allwyn**: owned the Amazon Connect and ServiceNow contact-centre platform: its infrastructure, security, and platform code.
- Primary technical contact for the WeConnect partner team.
- Remediated security vulnerabilities across the platform and authored the internal Terraform Lambda module reused by other **Allwyn** teams.
- Designed the org-wide AWS Backup solution and presented it to stakeholders. Built the automation platform's infrastructure and contributed to the monitoring platform's infrastructure.
- Enabled AWS Cost Anomaly Detection, catching crash-looping ECS tasks inflating AWS Config costs by thousands of pounds.
- Proposed and led the rework of **Allwyn**'s Terraform GitHub Actions workflows: test and prod plans run unattended on every PR (previously gated), with approval only on apply and the saved plan applied as-is, concurrency groups per state, provider and module caching, and per-team tfvars folders reviewed via CODEOWNERS. Wrote the reusable Docker CI/CD workflow used across **Allwyn**'s GitHub Enterprise, with layer caching and Trivy blocking pushes with critical CVEs.
- Owned each change end to end, closing 55% more tickets than the team average in 2024.

#### **Associate DevOps Engineer (Placement), Sky – Osterley, London**

July 2021 – July 2022

- Delivered cloud infrastructure as code with Terraform and operated EKS clusters across two Agile teams.
- Designed and led the migration of the team's first application to AWS. Planned it as a Jira epic and ran it across several sprints.
- Designed and built ALPI, a serverless log-processing platform (Vue.js frontend, Python backend, Terraform across AWS and Azure). Used department-wide and called the most complex project on the scheme.
- Refactored the team's GitLab CI/CD pipelines into shared templates, so every repository reuses the same jobs.

#### **Certifications**

- **AWS Professional (2)**: Solutions Architect Professional, DevOps Engineer Professional
- **AWS Associate (6)**: Solutions Architect, Developer, SysOps Administrator, CloudOps Engineer, Data Engineer, Machine Learning Engineer
- **AWS Specialty (6)**: Security, Advanced Networking, Database, Machine Learning, Data Analytics, SAP on AWS
- **AWS Foundational (2)**: Cloud Practitioner, AI Practitioner
- **Other (3)**: Microsoft Azure Administrator Associate, HashiCorp Terraform Associate, GitHub Actions

#### **Education**

**University of Surrey**, BSc (Sandwich) in Computer Science – Guildford, UK

Sept 2019 – June 2023

- First Class Honours, final aggregate mark 86, with five courseworks at 100.
- **Dissertation**: [NetNotes](#) ([video](#)), a protocol for fully private transactions in Rust.
- **Coursework**: [POCoin](#), a UTXO cryptocurrency with Paxos consensus across replicated Elixir nodes, Vue wallet, Docker Compose (best-coursework prize); [FreshFarm](#), a marketplace on Azure Functions in C#, JavaScript and Python with a Vue/Quasar frontend (Fivium Prize); [NightLyfe](#), a real-time group nightlife map in Vue/Quasar on Firebase.

#### **Selected Projects**

##### **CandleAlpha**

- Trading-prediction game on historical market data: React/TypeScript SPA on Cloudflare Pages with an edge API and D1 database, a build-time pipeline that validates 136k daily candles across 25 instruments into static JSON, and privacy-first analytics with no stored PII.
- Built solo in 10 days of development (33k lines of TypeScript, 1,100+ tests) through an agentic loop: Codex orchestrates and reviews Claude Code working from Linear tickets, in-app feedback files issues straight into the backlog, a Playwright skill verifies every UI change in a browser, and CI gates merges on typecheck, Vitest, build and Playwright.

##### **NetNotes (Final Year Project) and one-of-many-proofs**

- Designed a cryptographic protocol for fully private digital transactions, built on Mumblewimble and One-out-of-Many proofs, benchmarked against existing privacy coins. Optimised the only public Rust implementation of One-out-of-Many proofs: proofs 65% smaller, generation 96% faster, verification 65% faster, the fastest in any language.

#### **Awards**

- **Winner, Reply Group 2025 Certification Challenge**, across ~17,000 consultants in 14 countries.
- **Lightning Bolt Award, Storm Reply (2x)**. Quarterly award for the company's best-performing employee.
- **Fivium Prize, University of Surrey (2023)**. Highest mark in the Advanced Web Technologies module.
- **Sky Star Award, Sky (2022)**. Employee recognition award, received during the placement year.