



# **Kai Hendry, Curriculum vitae**

An Infrastructure Delivery specialist with more than 25 years of experience. Keen on the managed compute trend of the Cloud, to drive operational efficiency, simplicity and continuous software value delivery.

## **Infrastructure Lead at Thoughtworks**

December 2020 - Present | UK

- Leading and mentoring high-performing engineering teams, fostering a culture of reliability and innovation
- Partnered with AWS to secure record funding for client projects and ensuring best practices
- Reduced operational overhead and improved efficiency & time to market through strategic adoption of managed services
- Grow the Infrastructure discipline, inside the company and out, contributing learning materials and videos

Tech Stack: AWS, GCP, Go, Kubernetes, JavaScript, Serverless, Terraform, GitHub, GitLab

## **AWS Cloud Practice Lead, Teamwork/Corexpert consultancy**

February 2020 - November 2020 | Singapore

- Enhanced operational resilience by designing and implementing robust cloud-based backup and disaster recovery solutions for clients.
- Achieved significant cost optimisation on cloud bills from GCP/AWS to save clients money.
- Pre-sales on large complex cloud migrations for Digital transformation

Tech Stack: AWS, GCP, Cloud, Backup, Disaster Recovery Planning (DRP)

## **Senior Engineer in Digital Science Platform in Gojek**

October 2019 – January 2020 | Singapore

- Developed a process to label new instances to produce costing reports via parameterised Jupyter Notebooks
- Improved system observability and proactive issue detection by instrumenting, exporting, and producing dashboards/alerts using Jsonnet, Grafana, Prometheus, and Go.

Tech Stack: Machine Learning (AI), Prometheus, Grafana, Go

## **Devops lead at Property Management startup Unee-T**

March 2018 - October 2019 | Singapore

- Engineered and automated a CI/CD pipeline for deploying Docker containers on AWS ECS, enhancing deployment reliability and frequency.
- Developed serverless microservices in Golang, focusing on robust integration and operational stability.

Tech Stack: AWS, Go, Docker

## **Senior devops at Video streaming company Spuul**

June 2016 - March 2018 | Singapore

- Ensured high availability and scalability by administrating a complex multi-region, fault-tolerant service on AWS.
- Developed operational tooling using AWS SDK Golang V2 to automate the rollout of ~150 channels on AWS Elemental media services, improving efficiency and consistency.
- Authored a Golang-based static site and playlist generator to optimize video delivery over AWS CDN, enhancing performance and feature set

- Wrote Vue.JS / AWS JS SDK serverless app to ingest video with metadata

Tech Stack: ffmpeg, AWS, Go, HTML, JavaScript (JS)

## **Managing Director of Webconverger, the Browser Linux distribution**

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February 2012 - March 2016 | London/Singapore

- Designed, developed, and maintained a leading open-source Web kiosk distribution, ensuring system reliability and security.
- Implemented a configuration and device management service, enabling scalable deployments.
- Maintained system uptime across ~5000 machines through consistent patching and robust operational processes, demonstrating expertise in managing systems at scale.

Tech Stack: Linux, shell, git

## **Compliance Process Manager at Telecoms Joint venture WAC**

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July 2010 - February 2012 | London

- Editor of compliance tests for product delivery from Widget Runtime (WRT) vendors to Joint Venture members
- Lead development on security tools: widget signing and validation tools
- Designed test result reporting system for members and vendors to track their compliance progress
- Presented and represented the company at the Mobile World Congress stand
- integration points between frontend and backend

Tech Stack: Web browsers, mobile

# Senior developer at Japanese mobile company Aplix

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August 2007 - July 2010 | Guildford, Surrey

- Developing and testing the WebVM browser plugin for exposing device APIs securely on mobile devices
- Active in OMTP BONDI, W3C DAP and W3C widgets working groups
- QA for the SDK, an Eclipse based IDE for BONDI widgets and an emulator runtime
- System administrator for our source control, Bug Tracking System (BTS) and services

Tech Stack: JavaScript, PHP, Make, C, Shell, Standards processes

## Skills

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- Certifications: [AWS Certified Professional](#)
- Cloud Platforms: AWS, GCP
- Infrastructure & Automation: Kubernetes, Docker, Terraform, CI/CD, Infrastructure as Code (IaC)
- Programming Languages: Go, Shell, JavaScript
- Observability & Monitoring: Prometheus, Grafana
- System Reliability: Operational Tooling, Scalability, Fault Tolerance, Disaster Recovery
- Distributed Computing: Web (REST), Event-driven design
- Data stores: S3, DynamoDB, SQL
- Tools: vim, git, Make
- Servers: Debian/Ubuntu/AWS or any Unix/Linux system
- Domains: Entertainment, Self service, Real Estate, Telecommunications, Finance
- Methodologies: Agile / continuous integration

## Education

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- Graduated from the University of Helsinki Computer Science Masters program at the Faculty of Science in 2005 with minors in Management, Mathematics, Statistics, German and the Finnish language

## Presentations

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- <https://www.youtube.com/user/kaihendry>
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