

CĂLIN ILIE

calin@ilie.io
07776900428

github.com/calini
linkedin.com/in/calini

TECHNICAL STRENGTHS

Computer Languages	Go , Python, TypeScript (React), Java (Spring Boot), Kotlin
Software & Tools	Kubernetes , Docker , SQL (Postgres), Linux, Git, CI/CD

WORK EXPERIENCE

COS - Cashout Services *bet365* July 2023 - Present

- Helped rewrite bet calculation engine (CBE) into **Go microservices** unlocking better horizontal scaling.
- Worked on testing, deployment, refactoring, bug fixing, Docker integration, while mentoring and onboarding new hires onto the project.

CBE - Close Bets Early *bet365* June 2022 - September 2023

- Maintained the distributed bet calculation engine, a stream processing system in **Erlang** enabling the product's instant cash-out functionality, capable of live updating millions of bets a second.
- Worked on performance improvements such as deduplicating complex bet odds subscriptions, lowering their memory footprint by up to 15%, and Implemented US tax calculation.

Dotable *The Hut Group* June 2020 - December 2020

- Developed a website builder SaaS back-end for drag-and-drop website building, hosting, and domain purchasing, as part of the **Cloud Hosting** team.
- Worked on the integration with different registrars, domain purchases and transfers, and Stripe integration. Microservices built in **Go**, **Java**, and **Kotlin**, with a **React** front-end.

Security Hub *The Hut Group* July 2018 - May 2020

- Built a **dashboard** for managing network activity, firewall, and reporting on **vulnerability scans** at OS/Application level on the company infrastructure, as part of the **Information Security** team.
- Backend built in **Java (Spring Boot)**, front-end in **Angular**

CSP Collector *The Hut Group* February 2019 - April 2019

- Developed a high-throughput reporting system for the **Content Security Policy** for our e-commerce websites in **Go**, as part of the **Information Security** team. It leverages **Grafana** to generate statistics and alerts about 3rd party content loaded on our e-commerce platform. Deployed on self-managed **K8s**.

Magellan & Blackbeard *The Hut Group* October 2018 - January 2019

- Built a system for scheduling and performing network (nmap) and **CVE** (openVas) scans and generate vulnerability reports for stakeholders, as part of the **Information Security** team.
- Components were built in **Java (Spring Boot)** using **ActiveMQ**, **Postgres** and deployed in **Kubernetes** on **GKE**. Front-end built in **Angular**, email reporter in **Go**.

EDUCATION

University of Manchester September 2016 - June 2020

- BSc in Computer Science (with Industrial Experience) First Class Degree

Student Ambassador *University of Manchester* January 2017 - June 2020

- Represented the *University* in events promoting it as a study destination to prospective students.

OTHER

Hobbies & Interests Electronics, 3D Printing, 3D Design, Puzzles, History