

# GEORGE KAMPANOS

Manchester, UK

kampanosg.github.io ◇ kampanosg@outlook.com

## EDUCATION

---

**MSc Cyber Security, *University of York***

September 2019 - September 2020

- Degree award classification: *Distinction*
- Master's thesis has been accepted for inclusion in the IFIP SEC 2021, and it has been published.

**BSc Computer Science, *University of Glasgow***

September 2012 - July 2017

- Degree award classification: *2:1*

## EXPERIENCE

---

**Software Engineer, *Nando's***

October 2022 - Now

- WIP...
- **Technologies:** *Go, Rush*

**Software Engineer (Core Systems), *Bet365***

September 2020 - October 2022

- Part of the team responsible for settling customer bets in real time using Erlang. The system is able to handle over 30 million bets every single day.
- Focused on developing regulation compliant solutions that may differ from one country to another and without increasing complexity or sacrificing performance.
- Improved the performance of the Tax Calculation service and increased its Unit Test Coverage by approx. 80% and refactored large parts of the system as part of the US expansion.
- Developed a Priority Queue that guaranteed that specific bets are settled first and without increasing code duplication or degrading the efficiency of the non-priority system.
- **Technologies:** *Erlang, Riak, .NET, SQL*

**Software Engineer, *The Hut Group (THG)***

July 2017 - July 2019

- Joined the team building the bespoke Warehouse Management System (WMS) for the company's fulfilment centres across the globe.
- Led the New Warehouses team which deployed, configured and tested the WMS and automation in the new warehouses acquired or built by THG.
- Reduced deployment time of the WMS to a new warehouse from 3 weeks (manual process) to a few hours using Docker and scripts written in Python, YAML (cloud formation) and Bash.
- Developed a configurable application that instructed automated shuttles to store and retrieve pallets from bulk storage (VNA), leading to a 50% reduction in time spent waiting for stock from storage.
- **Technologies:** *Java, Python, Javascript, AWS, Docker*

## PROJECTS

---

### Accept All: The Landscape of Cookie Banners in Greece & the UK

Open Source

- The code for my Master's thesis: Focusing on Cookie Banners, and the privacy options that they provide, in Greece and the United Kingdom.
- **Code:** <https://github.com/kampanosg/i-like-cookies>
- **Paper:** arXiv (<https://arxiv.org/abs/2104.05750>)
- Technologies: Python, OpenWPM, Bash, Viking (University of York's cloud computing)

### G.C.E

Blog

- The George Codes Erlang (GCE) is a weekly blog that focuses on exploring various aspects for Erlang and the OTP and how they can be used to solve real-world problems.
- **Website:** <https://georgecodeserlang.com>

### Jurassic Farm

NFT Project (Avalanche)

- Developed the contracts, backend and UI for the Jurassic Farm NFT Project that features 10,000 algorithmically generated unique raptors.
- Technologies: Solidity, Go, Vue.js (Javascript)
- **Website:** <https://jurassic.farm>

## SKILLS

---

### Languages

Go, Erlang, Rust, Java, Python, Bash,  $\text{\LaTeX}$

### Databases

Riak, DynamoDB, SQL (MSDB & PostgreSQL), Hazelcast

### Experience in

Git, Docker & Kubernetes, AWS, CI, TDD