# Curtis Martin

## CONTACT

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## SKILLS

### Languages

Go (Golang)
Javascript
Typescript
HTML / CSS
Python
C

### Frameworks

React
Angular

### Software & Tools

Docker
PostgreSQL
Git
Apache HTTP Server
Jira
BitBucket

### Operating Systems

Windows
Linux

### CI / CD

Jenkins
Nexus
Maven
Artifactory

## INTERESTS

Reading
Weightlifting
Archery
Hiking
Improv

## WORK EXPERIENCE

### Software Engineer
Thales UK
*09/2017 - Present*

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#### Cybels - Trusted Communities (R&D)
*03/2020 - Present*
*https://www.thalesgroup.com/en/cybels-protect-0*

Rapidly developing proof of concept utilising a dynamically instantiated **Go(lang) Microservice** architecture complete with bespoke and secure service level message transportation.

- Developed multiple **Go(lang) Microservices** for critical areas of the system (i.e., certification authority, PKI management, data persistance using a **CouchDB** clone, **RESTful APIs**)
- Architected and implemented a customer critical NFC communications Microservice, then demo'd the functionality to top RAF, BAE, and Boeing officials
- Testing and deployment of the project uses numerous **Docker** containers
- **Linux** (Ubuntu) development environment
- Heavy test coverage using both Unit (standard library) and Integration (**Ginko** and **Gomega**) tests
- Additionally worked, for a period, as the Lead Software Engineer developing the project's React SPAs. All featured **REST** JSON APIs (utilising **HTTP** and **WS**), a **Material Design** UI, and **Redux** state management

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#### GMPS MML
*06/2020 - 03/2021*

Middle-man DLL written in **C**. Critical communication layer between 3rd party instrument software and Thales systems for use in active service Chinook (military) helicopters.

- Lead Software Engineer
- Aggressive Unit and Integration testing to meet DO-178D (aircraft worthiness) certification
- High degree of project responsibility (i.g., SRS creation, task scheduling, running Agile meetings)

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#### FACT
*On a Consultant Basis*
*01/2020 - 06/2020*
*09/2017 - 02/2019*

Map-centric **Angular** SPA connected, through a high-performance **C++** backend, to a simulation network with multiple military-grade flight simulators for pilot training scenarios.

- Developed the frontend map-centric (using OpenLayers/Cesium) **Angular** SPA
- Helped develop the high performance multi-threaded **C++** backend server
- Designed and implemented an efficient and performant GIS Map Solution (using Geoservers load-balanced with **Apache HTTP Server**)
- Developed multiple **Python** scripts to automate heavy overhead processses

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#### Nuada
*02/2019 - 08/2019*
*https://www.thalesgroup.com/en/nuada*

A product to simplify the planning, preparation, and delivery of activities/military scenarios that employ networked (local or global) simulation environments and resources.

- Developed multiple **Angular** SPAs
- Helped develop the **Java Microservice** backend

## EDUCATION

### BSc in Digital and Technology Solutions (Computer Science)
University of Warwick
*09/2019 - 06/2023*

Currently attending part-time as an apprentice.