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
09/2017 - Present
Thales UK

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)

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)
09/2019 - 06/2023
University of Warwick

Currently attending part-time as an apprentice.