# Alistair Holland

contact@alistairholland.me

## ABOUT

Software Engineer specialising in Java, with professional knowledge of Spring Boot and Apache Kafka. I have strong experience working on microservice architectures, developing REST APIs and building secure web applications.

## EXPERIENCE

### BlackRock, London - *Software Engineer, ETF & Index Investments Research & Analytics*

JUNE 2018 - PRESENT

Realtime ETF Analytics Platform

Built a scalable, extensible realtime trading analytics platform using microservices and Kafka. Furthered my experience with distributed systems, handling various failure scenarios, rebuilding state etc. Also gained hands on experience with Thomson Reuters realtime price feeds (TREP) and user authorization (DACS).

### J.P. Morgan Chase & Co, Bournemouth— *Software Engineer, Investment Bank*

SEPT 2016 - MAY 2018

Virtual Accounting Microservices

Worked in a high performance Agile team to deliver a new virtual accounting system, composed of microservices and Kafka. Experienced the challenges that service-oriented architectures pose, designed and implemented RESTful APIs.

Distributed Ledger Payments Platform Prototype

Full-stack developer in one of the first teams to bring distributed ledger technology to the firm. Delivered a payments platform prototype, using ethereum as the underlying blockchain.

Realtime Payments Middleware

Transformed end-of-day payment processing and reconciliation into a realtime, intraday operation. Gained experience working on critical systems and learned about different messaging technologies.

### J.P. Morgan Chase & Co, Bournemouth— *Summer Intern, Investment Bank*

JUNE 2015 - SEPT 2015

Production support analyst, monitoring critical applications for Global Fund Services.

## EDUCATION

### The University of Nottingham — MEng *Mechanical Engineering Hons (1st Class)*

SEPT 2012 - JUNE 2016

Areas of study include Computer Programming (C++/Java/Matlab), Numerical Methods, Computer Modelling Techniques (FEA/CFD/CAD), Mechatronics, Control Theory & Instrumentation.

Dissertation: Computer vision system to emulate a line-scan camera, implemented in Matlab.

## PROGRAMMING LANGUAGES

Java 8 (EE)

Javascript

Typescript

SQL

## FRAMEWORKS/ TECHNOLOGIES

Spring Boot

Spring Data JPA / Hibernate

Oracle DB

Greenplum DB

Apache Kafka

Maven

Git

Jira, Bitbucket, Confluence

Angular 7

HTML & CSS

Unix

Bash

## LANGUAGES

English (Native)

French (Fluent)

Spanish (Intermediate)

## Sevenoaks School, Kent - IB Diploma (39/45 pts)

SEPT 2009 - JUNE 2012

Higher Level - Physics: 6/7, Economics: 6/7, French: 7/7

Standard Level - Mathematics: 6/7, Chemistry: 7/7, English: 6/7

## OTHER INTERESTS

Outside of work, I like to work on personal coding projects and build smart-home gadgets. I love music and am a keen guitar player. I also enjoy cooking, photography, and good coffee.