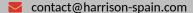
# **HARRISON SPAIN**

A highly motivated, innovative and professional software engineer. Can integrate seamlessly into, or lead, teams producing high quality software artefacts using a variety of languages, libraries, tools and techniques. Passionate about all aspects of technology; learns new languages and technologies quickly.

#### **INFO**



Crawley, West Sussex, England

harrison-spain.com

@hs750

in Harrison Spain

#### **SKILLS**

# **Programming Languages** Java **Kotlin** C# .NET **TypeScript** HTML/CSS Bash **Python** C/C++ Libraries and Frameworks

Spring Framework/Boot **Dagger** GraphQL React

## **Testing**

**Unit Testing** (JUnit, Mockito, NUnit, NSubstitute, Jest) **UI Integration Testing** (Selenium, Cypress, Espresso) **Test Driven Development** 

#### **Operating Systems**

Windows **Android** Linux Software & Tools **Databases** 

(SQL, Neo4j, Elasticsearch) **Data Distribution** (Apache NiFi, RabbitMQ) **Office Suites Docker** Cloud 

#### Teamwork and Collaboration

Git **Atlassian Tools** Agile (SCRUM) Team Leadership **UML** 

# **S** EMPLOYMENT HISTORY

January 2021 - Present

### Senior Software Engineer

**Q** BAE Systems Digital Intelligence Senior software engineer leading a distributed SCRUM team based on customer-sites and at home. Designed and built an array of Android, JVM (Spring Boot, Apache NiFi), TypeScript (React), and .NET (MEF/WPF) applications and plugins. Responsible for establishing the team's engineering approach and best practices. Highly involved with client, end-user, and product owner meetings. Interviewed and hired graduates and contractors.

math April 2018 - January 2021

**Q** BAE Systems Applied Intelligence

#### **Software Engineer**

- Lead a software engineering team building a prototype application for exhibition at DSEI utilising Type-Script, React, GraphQL and Neo4j. Interacted closely with stakeholders and subcontractors. Presented the prototype to potential customers.
- As part of a scrum team added new features to a personal data management system using C# ASP.NET Framework and Core, TypeScript, React and MS SQL Server.

September 2016 - April 2018

**Q** BAE Systems Applied Intelligence

#### **Graduate Software Engineer**

- Built a knowledge base application utilising a graph database to store and search highly connected data using Neo4j and Elasticsearch.
- Designed and built from the ground up a document searching solution integrated with Microsoft enter-prise systems. Java, Elasticsearch and Angular 4 provide seamless document searching across multiple data sources.
- Created a unified Linux system monitoring solution across multiple client system using Nagios and shell scripting.
- Conducted a security audit of client systems to reduce the potential attack surface of the sys-

**1** June 2015 - September 2015

• Thales UK. Innovation Hub

#### Summer Internship SWE

- Contributed to Centre for Maritime Intelligent Systems building and deploying maritime simulation software.
- Worked on tools for WebLVC and HLE-E interoperability protocols using Java, C++, JSON and WebSockets.

**I** June 2015 - September 2015

• Thales UK, BTC

#### **Industrial Placement SWE**

Concept development and demonstration by means of low fidelity, yet highly flexible simulation. Created and maintained Java applications which supported the simulation, with some C++ work. Additionally produced scripts and scenarios for the VBS2 simulator.

#### **EDUCATION**

**2011 - 2016** 

Master of Engineering

**♀** The University of York MEng Computer Science with Artificial Intelligence. First Class Honours

**#** 2009 - 2011

**Q** Oriel Sixth Form

A Levels

Mathematics (A\*), Computing (A), Physics (B), Chemistry AS (C)

**2007 - 2009** 

Oriel High School

**GCSEs** 

13 GCSEs (A-C) including; English, Mathematics, Physics, Biology, Chemistry, Electronics and ICT

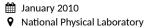
# **AWARDS**

2015: IBM Prize "Outstanding performance in the third year of his degree programme"

# **INTERESTS AND ACTIVITIES**

Technology, Open Source, Programming, Java ecosystem, Personal Finance PC Gaming, Lego, Science Fiction National Trust, Guitar, Music, Photography Pursuing IET Chartered Engineer status

# **OTHER EXPERIENCE**



Work Experience Placement

Assisted the development team in the testing of software that simulated Lock-In Amplifiers. Produced a statistical report of my test findings. Learnt about Monte Carlo calculations and their use in the simulator.



**♀** Omicron Nanotechnology

Work Experience Placement