**Thomas Owen Jacobs**

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Software engineer with 4 years of experience in both front and back-end development across multiple customer projects, my role includes the development, testing and delivery of mission critical products at speed while maintaining a high level of quality. I have most experience in AWS cloud infrastructure, typescript, java and more recently with customer and personal projects python.

**Skills & Certifications**

* Java | Typescript | JavaScript | CDK | Python | Flutter | Elastic | React Native | AWS | MongoDB | Docker | Kubernetes | Helm | SQL | GitHub/GitLab | Jira | Confluence | Full stack | Frontend | Backend | Cloud
* AWS Certified Cloud Practitioner | AWS Solutions Architect Associate | Elastic Certified Engineer

**Employment**

Raytheon UK, Manchester | Software Engineer | 07/2020 - Present

* Working as part of a flat team structure assisting team members whenever needed
* Migrating legacy software system into a more manageable and scalable containerised model
* Developed elastic database and search engine to automatically catalogue the customers file stores saving hundreds of hours yearly searching for documents
* Produced analytical dashboards based on database aiding in the aiding with compliance to ensure data is not held longer than it should have been
* Producing rapid prototype interfaces to provide iterative feedback with the stakeholder based on their requirements
* Developing data storage and access system using AWS based on common architecture design to centralise data and allow for quick and convenient authorized access from consuming entities
* Taking on a leadership role for the development of high-level requirements by delegating tasks and working with team members to ensure the feature is complete on time
* Developing typescript interface to allow users to easily upload and store files while adhering to compatibility and accessibility policies
* Presenting sprint achievements fortnightly to stakeholders in a clear and informative way for both technical and non-technical audiences

BAE Systems, Preston | Software Engineer | 11/2019 - 07/2020

* Work that focused on the testing of health management software for aircraft
* Supporting the delivery of software releases and iterative fixes to software based on user feedback
* Updated testing procedures to automate the process reducing the amount of developer interaction needed to complete.

DE&S (MOD), Bristol | Software Intern | 06/2019 - 08/2019

* Working within the maritime domain to gain in-depth understanding of how ship software is architected
* Attended meetings with support partners and clients to push through changes
* Liaised with different MOD stakeholders to produce a strategy guide for a new management system
* Gained an understanding of the need for Defence Standards that help to keep conformity across organizations

**Education**

BSc Hons Software Engineering | Lancaster University, UK | 10/2016 - 06/2019

* Fundamentals of computer science, Digital Systems, Databases, HCI, Computer Networks, Security, Advanced Programming, Distributed Systems