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