RYAN NASH

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EDUCATION

University of Warwick *August 2020 - June 2021*
PGCE Computer Science Full QTS

University of Leicester *September 2016 - June 2020*
BSc Computing with Management 1st Class Honours

EXPERIENCE

Full Stack Software Engineer - Accenture *2022 - present*
Full stack software engineer with a focus on web development. Cloud experience through AWS and GCP. Worked with media corporations developing big screen applications for TVs, consoles, and streaming devices. Familiar with optimising code for this low-end hardware. Led development of a front-end rebrand for one such corporation using a tech stack consisting of a ReactJS application with an AWS backend and pipelines through Gitlab and Jenkins. Developed relationships with service vendors when tech designing their service implementations. Comfortable debugging and fixing critical release-blocking bugs. Familiar with the SDLC from requirement gathering to release as well as standard business practices such as Agile, PI planning, and code review processes.

Computer Science Teacher - Finham Park School *2020 - 2021*
Full-time secondary school teacher for years 7-13, including GCSE and A-level students. Topics covered included; data representation, algorithms, functional and object-oriented programming in Python, and networking. Competent in organising and transforming my degree knowledge to varying levels of understanding and mental development. Exposure to students with limited academic abilities and learning disabilities. Proficient at adapting communication methods and styles to this range of students.

PERSONAL PROJECTS

Evergreen
An automated botanical project using a Raspberry Pi and AWS serverless features. Publishes sensor data via the MQTT protocol to AWS IoT Core. These published messages are processed using AWS lambda functions for database storage and AWS CloudWatch dashboards for monitoring. Front end implemented through a React application that queries the database, returning stored sensor metrics for a given plant, and allows users to remotely water the plant via buttons. Integration with CloudWatch triggers automated watering dependent on sensor data over time.
Languages/Tools TypeScript, React, AWS: IoT Core, Lambda, DynamoDB, CloudWatch

LegalProof
Software project that automates will writing for those in the legal profession. Allows users to draft and export wills via an automated process as either PDF or Word formats. Features secure user account management as well as document management, implemented with MVC architecture and a REST API.
Languages/Tools JavaScript, React, node.js, Express, MongoDB, Mocha, Chai

TECHNICAL STRENGTHS

Languages JavaScript, TypeScript, Python, SQL/noSQL
Frameworks node.js, Express, React
Platforms AWS Cloud, Github/Gitlab, Jenkins

REFERENCES AVAILABLE ON REQUEST