

Dan Foad

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SKY UK - ASSOCIATE SOFTWARE DEVELOPER (JUL 2018 - PRESENT)

NOW TV: Clients & CMS (DEC 2018 - JUN 2019)

ReactJS + React Native, Redux, Jest, Selenium, Concourse

- Applied SOLID principles to develop features and refactor code with a focus on maintainability and internationalisation, feature flags and territory-specific configurations
- Improved code quality with unit/integration tests through TDD with Jest and Selenium
- Expanded capability and increased reliability of the continuous integration pipelines on Concourse to provide better cross-platform support
- Fixed P1/Major bugs leading up to releases, integrated with Sentry to provide better logging and metrics

NOW TV: Sales & Service (JUN 2019 - PRESENT)

Scala, Akka HTTP, Circe, MongoDB, Kubernetes

- Developed microservices using Akka HTTP & Circe that are scalable and make use of asynchronicity and mutexes to allow for thread-safe concurrency and better throughput
- Made use of Agile principles and pair-programming, use of Jira as a Kanban board
- Assisted with setting up non-functional tests (performance, stress-tests etc) to run on a central Kubernetes stack

Burton Waters - Freelance Developer (MAR 2017 - JUL 2018)

URL: <http://www.burtonwaters.co.uk/>

HTML, CSS, JavaScript, PHP, XML

- Developed framework of the interface layer between client-side and CMS leading up to release of new product line
- Implemented a mobile-responsive AJAX-based email form for inquiries
- Developed child site <https://www.boatsforsalenorfolk.com/> using Bootstrap

EDUCATION

University of Birmingham

BEng (Hons) Computer System Engineering, 2:1

SEPTEMBER 2015 - JULY 2018

Relevant Modules: 'Object Oriented Software Design & Java Programming', 'Computer Systems, Algorithms and Data Structures', 'Introduction to Human Performance'

SKILLS

Main Languages

JavaScript (ES6+), Scala

Technologies

ReactJS, React Native, Redux

Akka HTTP, Circe

Jest, Mocha, Chai, SinonJS, ScalaTest

Selenium/Appium

Concourse, Kubernetes, Jenkins

MongoDB

Git, Bash, Jira

AWARDS

University of Greenwich Prize for Computing

(MAY 2015)

Award for outstanding academic achievement in the field of Computing and Computer Science