

MICHAEL BALLARD

Software developer

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An ambitious developer with 3 years of experience in a wide range of languages and technologies, with a goal to learn and master front end or full stack development. I am especially keen to persue React and React Native development.

WORK EXPERIENCES

Front End Lead - Operational Intelligence Vodafone | July 2020 - Present

- Lead front end of in house development for applications used by network engineers and support teams within the UK business.
- Transformed the front end development stack of the team from traditional MVC to React, with a decoupled API backend.
- Created a reusable components library for the team to utilise in order to make development easier as well as getting a consitent look and feel across our web estate.
- Implemented new development tools in the team to enforce coding standards and detect bugs, reducing risk of errors and increasing quality of written code.
- Created automated code deployments using Azure Devops CI/CD pipelines to remove the need to upload files to servers manually, and also enforced better use of Git version control utilising changelogs and branch releases.
- Ran workshops with the wider organisation to demo our technology transformation, sharing best practices and learnings.

Graduate Techboost Project Vodafone | December 2019 - July 2020

- Developed a React Native application to provide new starters with a smooth and user friendly onboarding experience.
- Ran workshops for my team to introduce them to mobile app development and React Native.
- Led development for the app and helped members of the team with issues they encountered.
- Took part in UX and UI workshops with senior developers in Vodafone to learn best practice and get feedback from professionals.

Solutions Engineer - IoT Vodafone | September 2019 - July 2020

- Developed IoT solutions for customers using JavaScript on our Invent platform.
- Integrated with 3rd party APIs to expand our IoT capability.
- Involvement in client workshops to understand requirements and interate projects in an agile manner.
- Ran workshops with the team to introduce them to various technologies such as React Native, Microsoft Flow and Python programming.

Automation Developer - Big Data Platforms & Services Vodafone | April - September 2019

- Prototyped various machine learning solutions as a POC for reducing manual effort across the Big Data space.
- Developed an intent-analysis algorithm in Python which was used on support tickets to predict with 95% accuracy what department a ticket should be allocated to.
- Aided in development of a Machine Learning model to predict the closure category of tickets.
- Demoed prototypes to senior managers to demonstrate the value of automated solutions.

PPMO Coordinator - Vodafone Business Vodafone | September 2018 - March 2019

- Aided project managers with issues that arose with clients or project teams.
- Developed a reporting dashboard using SAP Business Objects to allow senior managers to get an overview of their project teams and areas of concern.
- Created a website to showcase a new file sharing capability within the department.
- Automated some data entry tasks using Python to allow realocation of resources.

Junior Developer Gloversure | August 2016 - May 2017

- My first professional experience of web and mobile app design.
- Developed a mobile app using the Ionic framework for customers to be able to manage their site content from their phone.
- Developed a PHP application to enable the marketting team to create mobile notifications for customers.
- Modernised a lot of legacy code. Most notably AJAXified the CMS to enable dynamic content and less page redirects.

PROJECTS - CAN BE SEEN ON MY GITHUB, LINKED ABOVE.

React Native animated login UI

Learnt the basics of React Native reanimated animation by creating a sleek login UI with performant animations.

Covid19 Tracker

Developed a web app using React to visualise the spread of coronavirus using the covid19 API.

Sports Team Website

Used React to create a website for a sports team, using various google APIs to pull in scores from a spreadsheet and images/files from a google drive folder.

SKILLS

Technical

JavaScript ES6/TypeScript
ReactJS/React Native
NextJS
Serverless, Amplify
Python
PHP
SQL

Professional

Effective communicator
Confident leader
Willingness to help others
Good time management

Other skills

Photography and Filming
Photoshop and Video editing
Good knowledge of PC Hardware
Inevitably acting as tech support for my whole family

EDUCATION

BSc in Computer Science

Aberystwyth University
2014 - 2018

Warwick School

GCSE and A Level
2007 - 2014

LANGUAGES

English (Native)

INTERESTS

Photography
Mountain biking
Gaming
Anything Elon Musk is doing