Andrew Johnston

T 0131 466 0786
M 07708 22 77 40

andrew@andrewj.org
andrewj.org

Experience

Software Developer, Maglabs, Edinburgh – 2017-Present

As part of a scrum team, worked on the frontend and backend of a workflow management tool implemented as a single-page React app talking to a RESTful API provided by a PHP7 Symfony backend, both deployed on AWS via S3 and Elastic Beanstalk.

- Created proof of concept frontend integrated with a third-party REST API
- Provided initial implementations for key app functionality including search and websocket-based push notifications
- Improved performance by adding frontend list windowing and backend pagination
- Ensured software quality by introducing unit tests, snapshot testing on the frontend, and a continuous integration pipeline
- Increased the speed of integration tests with database snapshots
- Kept up with enhancements in external libraries and encouraged their adoption across the company

Support Developer, Maglabs, Edinburgh – 2015-2017

Worked in a team responsible for site reliability and performance across the company's range of primarily Linux/Apache/MySQL/PHP5-based bespoke digital asset management and workflow software. Diagnosed and fixed issues raised by the software's users or automated monitoring through liaison with front-line support, account managers and developers, documenting the process of solution.

- Developed simple command-line tools to automate common support tasks
- Researched potential new approaches to improve performance, like running legacy PHP in HHVM or performing image conversion with libvips

General Assistant, Orkney PC, Kirkwall – 2009

As a work placement in secondary school, I worked with a local computer repair shop, identifying and fixing issues with customer PCs as well as performing general maintenance tasks.

Education

The University of Edinburgh – BSc (Hons) Computer Science, 2011-2015

For my honours project, I worked with a student of the School of Health studying the effectiveness of delivering app-based guidance on self-management of diabetes to young people, by gathering requirements and developing a version of the app for Android, using a Python REST API backend.

Technical Skills

JavaScript, React, (S)CSS, SQL, PHP, Python, Bash, Elasticsearch, Node.js, Express