Rupert McKay

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Rupert is a talented software developer working in London with over 5 years of professional programming experience. He has worked closely with high-profile clients and gained expertise in agile web development practices. However, his roles have included full stack development in a variety of different programming languages. He is passionate about clean code, test driven development and mentoring junior developers. Rupert has proven leadership, communication and organisational skills.

Professional Experience

Softwire – Jan 2018 – Jan 2020 – Professional Development Expert

Software Academy *apprenticeship training department*

Helped establish Softwire's new Academy department. During this time Rupert won awards for his patient, caring and empathetic approach to mentoring junior developers. With the Academy department well established and already achieving exceptional pass rates, Rupert is keen to look for new opportunities.

- 88% pass rate for students under Rupert's direct personal care.
- Coached students through industry renowned MCP C#, MCP JS and Methodologies exams.
- Taught courses in C#, Java, JavaScript and Python.

Softwire – Jan 2017 – Jan 2018 – Senior Software Developer

ACS Customer Portal *cross platform mobile app*

Built a customer facing mobile application for users to create and manage chartered flight bookings.

- Technologies: JavaScript, NPM, Webpack.

ACS IBOS *chartered flights booking system*

Rebuilt an internal tool for ACS which tracks customers, bookings and suppliers as well as functionality to check aircraft insurance compliance.

- Overcame the challenge of working with undocumented legacy code.
- Technologies: C#, ASP.NET MVC.

Hushkeys *social media moderation API*

Created the moderation API, which handled all stages in the moderation report process, from submission to resolution.

- Technologies: Node, Neo4J, Gulp.

Rivo *cross platform mobile app*

Built a mobile app for the reporting of industrial hazards and incidents. Featuring development of a framework by which the client could generate new page layouts on the fly while still adhering to API requirements.

- Developed a structure by which custom UI widgets could be arbitrarily nested.
- Ensured cross platform compatibility and responsive performance.
- Agile development, regularly involving the client in the development process at all stages.

-   Technologies: JavaScript, Python, Chai, Durandal, Cordova.

Softwire – Jan 2015 – Jan 2017 – Software Developer
BBC – Monitoring *international journalism research web application*
Created a web application which provides round-the-clock monitoring of TV, radio, press, internet and news agencies for the BBC and a range of customers.
-   Developed according to the BBC's modern accessible style guidelines.
-   Technologies: Angular, Java, ElasticSearch.

David Lloyd Leisure *cross platform mobile app*
Built an award-winning mobile app handling high volumes of customer interaction with the client's API, providing a means by which customers can view, book and pay for classes at David Lloyd Gyms on any of iOS, Android or Windows Phone.
-   Ensured cross compatible implementation of application features.
-   Implemented intuitive slick interfaces.
-   Development of robust work flows particularly concerning accepting online payments.
-   Technologies: JavaScript, KnockoutJS, HTML/CSS.

Redburn *data portal web application*
Developed an interactive website to facilitate international financial market research, including integration with a variety of external APIs. Diligently adhering to the client's exacting specifications.
-   Delivered high quality code under strict deadlines.
-   Implemented reusable interactive widgets.
-   Technologies: C#, JavaScript, Angular, HTML/CSS

BBC – Playlister Stats Tracker *user data trends visualisation web application*
Development of an online web tool to visualise the listening habits and trends of BBC online users. Including statistical analysis and extraction of meaningful information from large data sets.
-   Implemented intuitive responsive interfaces, to best display the data.
-   Technologies: Java, HTML/CSS, JavaScript, Python.

IPL – Sep 2013 – Jan 2014 – Junior Programmer
ORX *Financial market data analysis web application*
Collaborated with a large cross-functional team to develop a financial market data analysis tool.
-   Technologies: C#, SharePoint.

Education and Qualifications
University of Bath – 2010 – 2013
BSc (Hons) Computer Science. Graduated with First Class Honours.
-   Departmental Prize for Contribution to the Development and Life of the Department 2013.
-   Outstanding Contribution Award 2012.
-   Achievement Award 2012.

University of Warwick – 2007 - 2009
Mathematics and Economics

King Edward VI School Southampton – 1999 – 2007
A Levels: Physics, Economics, Mathematics, Further Mathematics.