

SOFTWARE DEVELOPER (LEVEL 1)

Issued: August 2014

Software Developer (Level 1) – Salary Grade 7-8 (starting salary £23,724)

Permanent

Closing date: 21 September 2014

Interview dates: 25, 26 or 30 September 2014

About Yorcard

Yorcard is tasked with delivering the benefits of ITSO smart ticketing to public transport users in the Yorkshire Region. It has been set up by South Yorkshire Transport Passenger Executive and West Yorkshire Combined Authority to offer a range of services and products to local authorities and transport operators so that interoperable and smartcard ticketing in the Yorkshire Region can be brought into reality.

South Yorkshire Transport Passenger Executive and West Yorkshire Combined Authority as well as York City Council have been successful in securing funding for Yorcard through the Better Bus Area Fund to deliver further highly visible ITSO ticketing software. Yorcard is seeking to expand its development team to help deliver and maintain:

- A back office and reporting system;
- A Travel Money system;
- Web services to provide retail solutions;
- Desktop, web and mobile apps;
- Integration with customer and card management systems.

Applicant Information

Yorcard is looking for someone enthusiastic to contribute to the development, maintenance and documentation of robust scalable solutions as part of its successful development team. This opportunity is ideal for someone with a year or two commercial experience as a software developer and offers a real opportunity for progression. By joining Yorcard you'll also be working on a very visible public facing project that has real scope for changing people's perception and use of public transport.

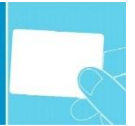
The postholder(s) will be employed by Yorcard in Sheffield and report to the General Manager.

Applicants should send a CV and covering letter stating how they meet the job description and person specification to info@yorcard.co.uk.

Successful applicants will be invited to interview at Yorcard's offices in Sheffield. Interviews will include a practical exercise.

Job Description / Employee Specification

YORCARD



Job Title:	Software Developer (Level 1)
Contract length:	Permanent
Reports To:	General Manager
Location:	Sheffield
Salary Grade:	7-8 (points 24-35)
Date of issue:	August 2014

Job Purpose:

The purpose of this job is to develop, test and maintain software to support Yorcard's business offerings including a back office and reporting system, a Travel Money system, web services to provide retail solutions and, desktop, web and mobile apps

The post holder will report to the General Manager and be required to assist in the design, development and maintenance of robust, scalable solutions.

Responsibilities/Key Accountabilities:

1. Working within the scheduling and architectural constraints, develop software solutions which deliver the functional and non-functional requirements of Yorcard's customers and Stakeholders for an ITSO-compliant smart ticketing system, taking into account the pre-existing systems and services already in use at the Stakeholders and which facilitates the implementation of agreed future functionality.
2. Document the design of the components as required to demonstrate that the software will conform to the requirements of the overall system design.
3. Develop software to Yorcard's established standards, taking particular note of quality, availability, scalability and security requirements.
4. Create test harnesses and automated software test processes to increase the quality of testing and development processes.
5. Support testing by participating in the preparation of the system for unit, integration and user testing.
6. Rectify faults in the developed software as directed.
7. Deploy and maintain Yorcard solutions at scheduled times, including occasionally outside normal working hours.
8. Any other duties commensurate with the post as directed by the General Manager.

Essential Knowledge, Skills and Experience Required:	How Assessed
Knowledge Required Understanding of IT systems development and testing processes and technologies	Application form/ Interview/ Assessment
Understanding of Web Services and RESTful principles	Application form/ Interview
Skills Required C# 4	Application form/ Interview
ASP.NET Web API	Application form/ Interview
MVC (Model-View-Controller)	Application form/ Interview
T-SQL (Transact-Structured Query Language)	Application form/ Interview
XML / XSLT	Application form/ Interview
Able to create automated test processes	Application form/ Interview
Able to document the developed software to the required standards	Application form/ Interview
Strong team working skills	Interview
Experience Required: Experience of relational databases	Application form/ Interview
Experience of multi-tiered programming techniques for web applications	Application form/ Interview
Over one year's experience as a Software Developer in a commercial development environment.	Application form

Desirable Knowledge, Skills and Experience Required:	How Assessed
Useful Knowledge Understanding of the implications of legislation affecting IT use, including the Data Protection Act	Interview
Useful Skills Reporting Services	Application form/ Interview
Analysis Services	Application form/ Interview
Entity Framework	Application form/ Interview
MVVM (Model-View-ViewModel) / MVP	Application form/ Interview
HTML5	Application form/ Interview
CSS	Application form/ Interview
Mobile Application Development (ie: iOS, Android)	Application form/ Interview
Bug tracking & time management using Jira or equivalent	Interview
Experience Substantial experience of multi-tiered programming techniques for desktop applications	Application form/ Interview
Experience within a related industry or use of comparable systems	Application form/ Interview