Rowan Stringer

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Full UK Driving Licence

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Profile

- Experienced software engineer skilled in server and client applications in C#, Java and C++, with a flair for high-performance data transfer and data persistence
- Achieved a very high distinction (88%) in MSc Computer Science at the University of Birmingham, following a 2:1 BA Honours degree in French at the University of Exeter
- Proficient game developer with several mobile apps published to the PlayStore, including two Unity mobile games called "The Sales Game" - a 2D simulation game, and "Converse" - a language learning platform game.

Employment History

Experienced Software Developer, *REPL Group* (10/2015 -)
Software Developer, *REPL Group* (10/2014 - 10/2015)

Quickly became a critical member of the development team, ensuring that incredibly demanding release deadlines were met consistently. A great example of my impact to the team was during the period shortly following the release of our Android time and attendance terminals to several major customers, during which I successfully handled the pressure of resolving incoming time-critical bugs alongside leading the development of a new embedded Linux C++ time and attendance application.

Sustained high production level load over months of continuous up-time on systems that I produced, relying on a keen understanding of multi-threading and efficient memory usage: this is especially true of the C#/.NET backend server that I developed as part of a team, which employs an asynchronous job queue (Hangfire) and NoSQL database (MongoDB) to scale to support high quantities of concurrent client requests.

Slashed the amount of time spent on repetitive tasks encumbering the development team by becoming proficient in scripting languages (Python, Bash, Javascript, PowerShell) to produce scripts that automate development processes: a prime example is a Bash tool that automates the deployment of multiple Android APKs from a given folder onto multiple Android devices in parallel. On a larger scale, I eliminated hundred of hours travelling by producing a Powershell script that forwarded Bash commands over a network via telnet to update the firmware of over a thousand remote terminals.

Received outstanding positive feedback after leading a small development team, and acting as Scrum-master, for several months.

Reinforced multiple clients' confidence in our products by resolving a remarkably high proportion of out-of-hours support tickets on the spot, and communicating the resolution clearly to all concerned.

Game Development Consultant, *Nyx Digital* (06/2014- 08/2014)

Supported by a wealth of technical expertise pertinent to game development, I created a proposal for a professional multi-platform video-game. I attended several meetings to discuss the game design and possible high-level solutions to achieve functionality within the required constraints. After having captured the core game mechanics, I created documents that provided an outline of the required development work as discrete features ordered by priority.

Freelance 3D Software Web Tutor, *YouTube* (03/2013 - 06/2013)

Exploded onto the YouTube tutorial scene with an incredibly successful online 3D modelling and animation series reaching over 300,000 YouTube views and 1500 subscribers. Building experience with 3D software packages for 4 years, I learnt how to teach effectively through video tutorials, and was featured on the Blender official website due to the professional quality of my work (search "2 Minute Tutorials Blender").

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Education

MSc Computer Science at the *University of Birmingham, UK* (09/2013 - 10/2014):
Including the following modules: Computer Graphics, Java, *C/C++,* Data Structures, Neural Computation (AI), Human Computer Interaction, Computer Security

This programme provided a rigorous foundation in Object Oriented Programming. It combined strong time management skills in order to complete projects on time, with careful quality assurance in order to ensure that code met industry standard conventions according to which it was marked. A significant proportion of the course concentrated on developing practical expertise in Computer Security, developing transferable security-minded IT skills. Driven by a desire to create video-games, I produced a personal portfolio of C++ game projects alongside the course.

BA Hons French (2:1) at the *University of Exeter, UK (09/2009 - 06/2014)*

Studied a broad variety of subjects surrounding France and French culture, supplemented by modules in TESOL, basic Spanish and Computer Science. Acquired a solid grounding in reasoned arguments, learned to speak French to a professional standard, and developed writing skills which culminated in becoming a published author of a paper on Distributed Denial of Service Attacks.

A-levels: Maths (A), Chemistry (A), French (B) at *Shrewsbury School, Shropshire, UK*
GCSEs: 8 A*s & 3 As at *The Corbet School, Shropshire, UK*

Other Employment History

Assistant Research Executive, *Kantar Health France* (06/2011 - 07/2012)

Served as a market researcher during an Erasmus year in a Parisian market research business specialising in Oncology. Cut tens of thousands of Euros from project expenses through negotiating and finding creative solutions to project requirements. Coordinated several fieldwork agency offices throughout Europe, and managed an out-sourcing team for a brief period. Automated many repetitive data manipulation tasks by learning Visual Basic and creating Office macro programs.

Languages

Native English
French (Professional working competency)

Interests

PC games are a lifelong passion that have had a profound effect on my character: developing team skills (DOTA / CS:GO), appreciating beauty in virtual environments (Assassins Creed, Grid, Grand Theft Auto, Watch Dogs) and becoming versed in the simplicity of a good concept in action (Endgame:Singularity, Tetris, Brickbreaker).
Cycling - Managed a physical and mental feat by cycling home from Exeter to Shrewsbury (172 miles) in a single day during May 2011 – a feat that was broadcast on multiple radio stations.
Beekeeping – Became the president of my college beekeeping society four years ago, obtaining great experience in working quickly and effectively as a team under the intense pressure of thousands of bees acting defensively!
Football – Playing intense 40 minute 5-a-side matches each week is an enjoyable way of keeping fit and developing communication skills at the same time!