

Alexander Rees

2 Cambrian Close, Southampton, Hampshire, SO31 8GW

Phone: 07832722601 E-Mail: me@acrees.co.uk

Objective

Junior Software Engineer with six months full time C#.NET commercial experience and many years' hobbyist experience in all aspects of ICT, Computer Science and Software Engineering. Looking for a fast-paced, innovative software engineering position, preferably following an agile methodology, in which to learn and develop professionally. Initially aiming to work up to a technical team lead position, with aspirations of using this to push further into technical management.

Skills and Interests

- Work well as part of a team, with good leadership skills.
- Good communication skills, including via email and telephone.
- Experience giving presentations on a variety of subject matters to audiences of varying knowledge.
- Highly analytical, I pride myself on being able to approach any problem and devise a solution.
- Motivated and hard working.
- Proficient at using all Microsoft Office tools.
- I keep up to date with current news and issues by being a student member of the BCS, soon to apply for full professional membership.
- Regularly attend a local software development user group to hear talks and discuss many topics across the field.
- I have also achieved a Microsoft Technology Associate (MTA) certification in Software Development Fundamentals.

Technical Skills

I have experience using and developing on Microsoft Windows, Apple Mac, and Linux based systems, using IDEs such as Microsoft Visual Studio 2008, 2010 and 11.0 Preview, Netbeans, Eclipse and XCode. I have strong programming skills, with a good knowledge of major paradigms, common algorithms and design patterns. I'm interested several aspects of modern software engineering:

- Agile development, especially Test-Driven development.
- Aspect oriented programming. I have some experience with PostSharp.
- Distributed version control and continuous integration.

I have some experience with the following languages:

- C#, F#, ASP.NET
- C/C++
- Java
- Ruby
- Python
- Haskell

Education

University of York; BEng Computer Science. Oct '08 – Jul '11

Dissertation titled: "Artificial Immune Systems: An Application Programmer's Interface".

Developed skills in all aspects of computer science; Non-standard computation, formal specifications, mathematics, artificial intelligence, programming, visualisation, modelling, system design, networks, databases, electronics and HCI. Practiced problem solving and analytical abilities. Enhanced group work through pair and group based practical sessions and discussion groups.

Bay House 6th Form College. Sep '06 – Jul '08

A-Level Computing B; Mathematics B; Chemistry D.

AS-Level Physics C.

Meoncross School Sep '93 – Jul '06

GCSE examinations: 2 A*, 4 A, 2 B, 1 C.

Experience

NICE Systems - Junior Development Engineer

Aug '11 - Present

At NICE, I was responsible for a number of projects. As with any developer I spent time fixing various bugs and issues across the entire codebase. I was heavily involved in translation work, helping to automate or document several tasks central to the process of adding a new language to the application. As well as general fixes to translated text and user interfaces, I built a number of language packs and hotfixes introducing and enhancing language support for customers running systems on several languages.

I continued to make improvements to process and internal tools by creating a hotfix readme generator, based upon C#'s T4 text template generation engine. As well as improving some testing tools, including creating a WPF based application for the manual configuration and insertion of test data into some of our products' databases.

I was also responsible for adding a feature to the application. Following it through from evaluation to implementation and testing. Providing full documentation for it, ensuring that the relevant authorities had seen and signed off on any proposed changes under their purview. As well as liaising with test engineers and helping where needed to ensure that the test coverage was correct and adequate. User interface changes were developed with the advice of the usability champion and the design authority. During the implementation I was required to chair code reviews discussing the changes with senior engineers and making any agreed changes.

Students For a Smarter Planet - Regional Director (North of England)

Jul '10 - Present

Students For a Smarter Planet is an organisation created as an initiative by IBM, as Regional Director I was responsible for the running of all aspects of the initiative in the north of England.

I made and maintained relationships with the Careers Service and Business Development groups at the university, and external companies. Also, I helped to plan, manage and promote several events at the University of York. I sat on the UK advisory board with fellow students and IBM representatives, and as such, was involved in all decisions and discussions about the long-term strategies and goals of the organisation. I was also part of a team producing a whitepaper on a global Students For a Smarter Planet project, 'Smarter Campus'.

While working for Students For a Smarter Planet, I had an active role in the management structure; I developed teamwork and leadership skills. I had a major role in organizing several large events at the university, and actively participated in many. I gained skills in explaining technical ideas to non-technical people, and in pitching ideas to senior figures in organisations.

In-Computers Ltd. - Junior Web Application Developer

Jun '08 – Oct '08

I added e-commerce abilities to websites, frequently dealing with customers to work out specifications and ensure projects met them. I also managed problems and bugs and suggested and implemented solutions to them.

References

Available upon request.