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# James Hemming – Senior Software Developer

## Summary

Senior Software Developer with 9 years experience working for software organisations on a wide range of projects in a variety of industries including police, defence and aviation, as well as on projects requiring secret level of clearance. Extensive experience in a large number of technologies and programming languages, frequently extending beyond design, implementation and testing of systems into technical writing, customer interaction and demonstration of projects to potential customers. Strong team player who thrives in a challenging and agile environment where the end result is a product that satisfies the customer.

## Core Skills

- ASP.NET
- C#
- Java
- Node.js, JavaScript and jQuery
- Android application development
- Python and Qt
- PHP
- Visual Basic
- REST and SOAP web services

- Version control systems (Git, Mercurial, SVN)
- Databases (Oracle, PostgreSQL, SQlite)
- Virtualisation
- Linux and Windows
- Test Driven Development
- Networking and infrastructure maintenance
- Scrum and Agile methodologies
- Customer support
- Mentoring

## Work History

**Full Stack Developer (Contractor), Outbound (2017 – 2018)**
- Responsible for maintenance and feature updates to a number of portal websites used to promote products and generate sales leads for major clients
- Exposure to Microsoft Dynamics CRM and its C# API
- Assisted in migration of websites from Bitbucket to Microsoft Azure and Visual Studio Team Services
- Working closely with design and marketing teams to provide input regarding the user experience and functionality of the portals from a technical perspective

**Senior Engineer, L-3 Communications ASA Ltd. (2013 – 2017)**
- Core member of a number of high profile project teams, utilising previous system design experience to create solid solutions in C#, Java and JavaScript, and using web services to create a multi-tiered architecture
- Worked on a number of prototype, cutting edge projects which were demonstrated to numerous customers and visitors as an example of our technical expertise, including an Android application utilising OCR, NFC and facial recognition
- Point of contact for customers on several projects based in locations all over the world, providing customer support and working directly with them on design of the software, frequently using initiative when presented with a challenging lack of initial requirements
- Successful introduction of new tools to projects in order to improve efficiency and take advantage of modern technology
- Support of a number of legacy projects utilising highly out of date technology, requiring creative and innovative solutions to maintenance issues

- Mentored a new graduate starter and helped them integrate into the team and understand a number of the projects they would be working on, as well as later on carrying out their appraisals and supporting their personal development

**Engineer, L-3 Communications ASA Ltd. (2009 – 2013)**
- Design, development and testing of high level components in ASP.NET (Web Forms and MVC), C# and JavaScript, as well as working with PostgreSQL, Subversion and Mercurial
- In the ScrumMaster's absence, filling in for this role on a number of occasions, including leading daily standups and sprint retrospectives
- Responsible for project infrastructure maintenance, performing tasks such as installing and upgrading the source control systems, bug tracking tools such as Bugzilla and Redmine and virtual machines required to support development and testing of the software
- Experience with setting up a continuous integration environment, including automatic check out of code from source control, compilation and execution of unit tests

**Graduate Engineer, L-3 Communications ASA Ltd. (2008 – 2009)**
- Joined as part of an Agile team converting a legacy Visual Basic intelligence analysis tool into a modern web-based application
- Responsible for creating, testing and maintaining the auditing and watchlist components of the project, utilising C#, Visual Basic, JavaScript and working with an Oracle database
- Considerable experience with the Scrum development process, utilising as much of it as possible on the project
- Assisted with visiting the customer site in order to install and troubleshoot prototype versions of the new software on the customer's network

## Training

Android and iOS development (2014)
VMware vSphere (2012)
Certified Scrum Developer, TDD (2012)
ASP.NET C# development (2009)

## Awards

Engineering Excellence Award 2016 (L-3 ASA)
Engineering Innovation Award 2015 (L-3 ASA)

## Education

**University of Reading (2004 – 2008)**
BSc (First Class with Honours) Information Technology with Management
Third year industrial placement as Technical Writer at IBM
Award for Best Project in Information Technology with Management

## Interests

I have a strong interest and passion for computing and technology outside of the work environment, and have worked on a number of hobby projects as well as building my own PC. I have previously contributed to open source software with suggestions, bug reports and code. I am also a keen amateur pianist and play sports including tennis and squash.

## References

Available on request.