

# { Anthony Fielding }

## Personal Details

Nationality:	British UK citizen with passport	Company:	Orbital 3 Limited, VAT no. 221290057 76C Davyhulme Road, Manchester, M41 7DN
Driving licence:	Full and clean with car	Insurance:	Professional indemnity, public liability, employer's liability
Languages:	English		

## Summary

**TL; DR; Passionate, capable, independent and hardworking. Ten years of agile development experience and eleven months of web application penetration testing experience. Solves the root causes of problems. Excellent communication and collaboration skills. Focussed on delivering business value. Proactively supports teams to meet their goals.**

Always looking to take on new challenges, Anthony recently skilled up with the Offensive Security Certified Professional (OSCP) and CREST Registered Penetration Tester (CRT) qualifications, and then worked as a cyber security consultant at MWR InfoSecurity for eleven months. During this time, he delivered a number of web application and Application Programming Interface (API) penetration tests, mostly for large financial sector clients. He is passionate about software engineering, cyber security and the incremental delivery of business value (ask about his controversial Value-Driven Development idea). He recently presented the "shift-left" concept of adopting security earlier in the agile development process to the Microservices Manchester community group. He is interested in building systems that proactively detect and respond to attack, using ideas from Open Web Application Security Project (OWASP) AppSensor project. His experience allows him to hit the ground running because he knows that whatever he is tasked to do, delivering business value and having good communication skills are key to success. Everything he does is around empowering teams to be successful. Anthony is a member of OWASP, the British Computer Society (BCS) and an agile manifesto signatory.

## Relevant Skills

Communication and collaboration	<ul style="list-style-type: none"><li>• Ignites teams to deliver amazing work with his trademark infectious enthusiasm.</li><li>• Enjoys translating between technical and business stakeholders.</li><li>• Presented at board meetings to company directors and investors, to community groups and at a conference. Mentoring, support and training of junior staff.</li><li>• Delivers security awareness courses and secure web application engineering training.</li></ul>
DevSecOps	<ul style="list-style-type: none"><li>• Proficient with Amazon AWS, familiar with Microsoft Azure Cloud.</li><li>• Can install and configure CI and CD systems (TeamCity, Octopus Deploy, Jenkins, etc).</li><li>• Proficient with Docker and Docker Compose, including building images and repositories.</li><li>• Integration of linting, SAST (e.g. Checkmarx) and DAST (e.g. OWASP ZAP) into CI pipelines.</li><li>• Hosts threat modelling workshops using the STRIDE model created by Microsoft.</li><li>• Built Selenium, headless Chrome and OWASP ZAP regression testing rigs, custom fuzzers.</li><li>• Proficient with Jira, Burp Suite Professional, Postman, SoapUI, IntelliJ, Eclipse.</li><li>• Built and maintained build status and production environment health dashboards.</li></ul>
Security consulting	<ul style="list-style-type: none"><li>• Delivered numerous web application and API penetration tests for large financial organisations, as well as cloud and host configuration security reviews and source code reviews.</li><li>• Involved in and supported infrastructure and mobile application security assessments.</li></ul>
Software engineering	<ul style="list-style-type: none"><li>• Agile, WIP, Scrum, Kanban, One-Piece-Flow, Continuous Flow Diagrams (CFD), cycle time metrics etc. for delivery optimisation. SOLID principles, Clean Code, TDD and BDD.</li><li>• Proficient in secure RESTful API development, Java, C#, Python, Golang, JavaScript, Ruby.</li><li>• Attends and speaks at local software events such as XP Manchester, Microservices Manchester. Also attends security conferences such as BSides Manchester and 44CON.</li></ul>

## Relevant Experience

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- Nov 2018 – Present **Orbital 3 Limited – Consultant**  
Available for hire to help development teams integrate and maintain security best practices with their agile Secure Software Delivery Life Cycle (SSDLC). This is achieved by evangelising the “shift-left” approach; making security part of the agile process to reduce the cost of security defect remediation.
- Jan 2018 – Nov 2018 **MWR InfoSecurity, an F-Secure Company – Security Consultant**  
Worked with a large financial institution on a long-term engagement with to help them improve the security awareness of a development team. This involved hosting workshops and talks, establishing a developer security champion programme, and changing the attitude towards a secure-first mentality. Integrated the Open Web Application Security Project (OWASP) Zed Attack Proxy (ZAP) tool and a bespoke API user-supplied input fuzzing tool into their TeamCity Continuous Integration (CI) pipeline. Advised on a suitable Checkmarx configuration and made recommendations for improving their JIRA-managed security testing efforts. Delivered a presentation at OWASP Poland Day 2018, and a presentation on web application security to the Microservices Manchester community group. Delivered workshops on threat modelling using the STRIDE model created by Microsoft.
- Jun 2017 – Dec 2017 **Orbital 3 Limited – Senior Software Engineer**  
Delivered three Laravel-based finance product web application projects for a client. This was achieved by creating a common code base, and by automating the deployment process with the use of Docker.
- Oct 2016 – Jun 2017 **NCC Group Plc – Senior Software Engineer**  
Introduced CI, Test-Driven Development (TDD), SOLID principles and agile process improvements to create a predictable and constant delivery of working software releases. This involved collaborating with all project stakeholders from executive management to the developers, to successfully improve software delivery, developer morale and team accountability of the products.
- Aug 2015 – Oct 2016 **Orbital 3 Limited – Senior Software Engineer**  
Single-handedly project-managed, built and delivered a scalable fitness social network in six months, using agile processes and industry recognised best-practices for a client. This involved working with the client to agree on requirements, managing client expectations, as well as providing training and recruiting a mobile application development vendor for the client. Contracted at Code Computerlove Ltd. to develop features for their client’s web applications (Chester Zoo, HMV and The Woodland Trust).
- Jan 2015 – Apr 2015 **Code Computerlove Ltd – Senior Developer**  
Developed web application and Content Management System (CMS) functionality for several large clients. Responsibilities included mentoring junior engineers and running training workshops.
- Apr 2013 – Dec 2015 **AO World Plc. / DRL Holdings Limited – Mobile Enterprise Developer**  
Worked in a fast-paced agile team to successfully produce a reliable mobile application for receipting deliveries. The project was acclaimed by the directors of two companies and even nominated for an award by the business for “best use of innovation”. Created a system health dashboard.
- Jun 2010 – Apr 2013 **Waters Corporation / Micromass UK Ltd. – Software Engineer**  
Enterprise software development using C#, Windows Presentation Framework (WPF) and C++ in a heavily regulated research and development facility to produce mass spectrometer instrument drivers.
- Sep 2009 – Apr 2010 **Web Applications UK Ltd. – Software Engineer**  
Web application development using C#, WPF, Silverlight, ASP.NET, Classic ASP, T-SQL and SQL Server.

## Education

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- 2005 – 2009 **Manchester Metropolitan University – First class BSc (Hons) Software Engineering**  
Favourite units: Enterprise Programming, Network Management and Security, Distributed Systems, Operating Systems, Database Systems. Final year software engineering group project: Intel 8086 CPU Sim.

References are available on request.