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Alex Macmillan MEng

Principal Engineer

Six to Start, Edinburgh / Remote — zrx.app

2020 – Present

GOOGLE CLOUD PLATFORM, KUBERNETES, DJANGO, NEXT.JS

Lead Developer, Web

Returned to Six to Start to lead a team of three web developers responsible for infrastructure, production pipeline automation, content management, APIs, content delivery and websites. Delivered "Marvel Move" for ZRX in collaboration with Marvel, Inc.

Tumblr, New York City — tumblr.com

2016 – 2020

JAVA, PHP, REACT, KOTLIN, DEPLOYMENT AT SCALE

Principal Engineer

Joined the Android development team at Tumblr. Built features for the dashboard, explore and search functions. Built and maintained developer tools to improve efficiency across a growing team. Contributed server-side code and gained experience deploying to thousands of production servers.

Intuary, Inc., New York City — farfaria.com

2014 – 2016

A/B TESTING, MONGODB, HEROKU CI, SWIFT

Senior Engineer

Assisted Intuary, a maturing startup, with growth and platform diversification. Ported Intuary's iOS app "FarFaria", a "Netflix for Children's Books", to Android in six weeks. Made FarFaria's website responsive. Automated the Android build process to enable hands-off production and maintenance of hundreds of "single-story apps" for pre-install on tablets aimed at children.

Six to Start, London — sixtostart.com

2010 – 2013

PROJECT + TEAM MANAGEMENT, iOS, ANDROID, RAILS, AWS

Lead Developer

Began as Six to Start's sole developer with work on projects for clients including eBay, the BBC and Wired(UK) magazine. Developed "Zombies, Run!" for iOS and Android, which sold millions of copies before later converting to a subscription model.

With rapid company growth following the release of "Zombies, Run!", lead a team of five devs to expand the product and develop new games.

Stripe Software Solutions LLP

2011 – 2018

CLIENT MANAGEMENT, PYTHON, JAVASCRIPT, HARDWARE INTEGRATION

Founding Partner and Technical Director

Formed a partnership to market and extend software developed while studying at university. Our event ticketing software "XTS" helped sell over £1M in tickets. Our volunteering web application "XVS" connected 12,000 volunteers with 2,000 charities, accumulating 60,000 hours of recorded volunteering activity.

IBM (UK), Greenock, Scotland

Summer 2007

JAVA, TOMCAT, LONG POLLING

Student Software Engineer

Worked on the "Tivoli" product line, introducing new internet technologies to a B2B product. Worked on support software for IBM's "Reserve Edition" series of ThinkPad laptops.

Talks

2014	**Beyond Graphics: Reaching the Visually Impaired Gamer**
	Brandon Cole, Ian Hamilton, Jonathan Hersh, Alex Macmillan, Brian Schmidt
	Game Developers Conference 2014, San Francisco

Education

| 2004 – 2009 | **MEng (J. Hons) Electronics and Computer Science** |
| | University of Edinburgh, Scotland |

Publications

2010	**Slow Frequency Hopping for Mitigating Tidal Fading on Rural Long Distance Over-Water Wireless Links**
	Alex Macmillan, Mahesh K. Marina, Jhair Tocancipa Triana
	Presented at the INFOCOM 2010 WIP track, 17 citations

2010	**Stix: A Goal-Oriented Distributed Management System for Large-Scale Broadband Wireless Access Networks**
	Giacomo Bernardi, Matt Calder, Damon Fenacci, Alex Macmillan, Mahesh K. Marina
	In proceedings of ACM Mobicom 2010, 2 citations

Recognition

| 2009 | **IEC William L Everitt Prize** |
| | Awarded to an outstanding Electronics or Informatics student with an interest in communications and computers. |

| 2007 | **Agilent Prize** |
| | Awarded to the student who has obtained the highest overall mark in Computer Science and Electronics. |

| 2006 | **Award for Technical Achievement in Sound** |
| | Awarded at the National Student Drama Festival. |