

# Robert Mackness

## Junior Web Developer

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[mackness.io](http://mackness.io)

[blog.mackness.io](http://blog.mackness.io)

[facebook.com/rob.mackness](https://facebook.com/rob.mackness)

[github.com/robertmackness](https://github.com/robertmackness)

## Portfolio

### Responsive Portfolio Site

[mackness.io](http://mackness.io)

#### Front End

Angular 1.5, Javascript, Bootstrap, HTML5 / CSS3

#### Back End

Javascript, Node, Express, MongoDB@mLab

#### Build Tools / Platform / VCS

Gulp – minification and image optimisation, Heroku, Git@Github

### Custom RESTful API + CRUD Ops consumed by Responsive Angular App

[Demo Customer Service Portal](#)

#### Front End

Angular 1.5, Javascript, Bootstrap, HTML5 / CSS3

#### Back End

Javascript, Node, Express, Mongoose, MongoDB@mLab

#### Build Tools / Platform / VCS

Gulp – minification and image optimisation, Heroku, Git@Github

### Real-Time Authenticated Chat

[chat.mackness.io/](http://chat.mackness.io/)

#### Front End

React JS, Javascript, Bootstrap, HTML5 / CSS3

#### Back End

Javascript, Meteor JS, MongoDB@mLab

#### Build Tools / Platform / VCS

Heroku, Git@Github

### Public Code – Answers to Open Javascript Challenges

[Public Git Repo Link](#)

#### Rebecca Murphey's Javascript Assesment

Scope, Closures, Regex, String manipulation, Bitwise Operators, Recursion and more.

### Web-Development Technical Blogging

[blog.mackness.io/](http://blog.mackness.io/)

### Platform Survival Game – Android

[Google Play Store Link](#)

#### Front End

Java, LibGDX

#### Back End

Swarm API for global leaderboard

#### Build Tools / Platform / VCS

Eclipse IDE, Android, Git@Github

### Financial Trading Algorithm – Gengis Khandle

#### Language

MQL4

#### Platform

Metatrader 4

## Certification

<b>CCNA</b>	Pass - 2012	<b>REACHER Satellite Mgt.</b>	Pass - 2008/9
<b>ITIL v3</b>	Pass - 2012	<b>Equality and Diversity</b>	Joint-Force Advisor

## Education

<b>Defence College of Communications and Information Systems</b>	LAN/WAN, TCP/IP, Satellite Communications, Land Electronic Warfare, Routing, Switching, Technical Operations Management
<b>Royal Military Academy Sandhurst</b>	<b>Queen's Commission, Bachelor's Degree Equivalent</b> Leadership, Management, War Studies, Communications and International Relations

## Career History

Jan 2015 to Present	<b>Self-Taught Developer</b>	
	<b>Technical</b>	
	<ul style="list-style-type: none"> <li>● MEAN Stack - Node, Express, Angular, MongoDB, Gulp, Bootstrap, Heroku, Git.</li> <li>● 2D Android games integrated with third party API's. Written in Java using the LibGDX framework in Eclipse and Android Studio.</li> <li>● Design and implementation of an authenticated real-time chat program with React/Meteor.</li> <li>● The Odin Project + Michael Hartl's Rails tutorial + Rails/Angular/PostgreSQL tutorials.</li> <li>● Financial trading algorithm and automated brokerage order placement (MQL4)</li> </ul>	
2013 to 2015	<b>Marketing / SEO / Advertising / UI / Image Manipulation</b>	
	<ul style="list-style-type: none"> <li>● Design and launch of Google Play Store listings using targeted descriptions and researched SEO keywords via SearchMan. Design of Android game UI and animations using GIMP2.</li> </ul>	
	<b>IT Networking Consultant / Service Delivery Manager</b>	<b>Blue Chip Data Systems</b>
2007 to 2013	<b>Technical</b>	
	<ul style="list-style-type: none"> <li>● Lead engineer for multiple technical projects within the private sector; including satellite communications, network design, configuration, installation, troubleshooting and security.</li> </ul>	
	<b>Leadership and Management</b>	
2007 to 2013	<ul style="list-style-type: none"> <li>● Technical service delivery management for a range of international clients in the private sector.</li> </ul>	
	<b>Royal Signals Troop Commander – Queen's Commissioned Officer</b>	<b>British Army</b>
	<b>Leadership and Management</b>	
2007 to 2013	<ul style="list-style-type: none"> <li>● Leadership, management and administration for multiple units ranging from 30 to 45 soldiers.</li> <li>● Working closely with the director of a 500 strong Afghanistan National Army training unit as a leadership consultant.</li> <li>● Management of all UK cryptographic material, electronic warfare devices, satellite/radio communications equipment and a fleet of vehicles for international organisations.</li> </ul>	
	<b>Training Delivery</b>	
	<ul style="list-style-type: none"> <li>● Designed and implemented two training and promotion courses for the Royal Signals, a 9000 strong organisation, to ensure that the right calibre of soldiers were being promoted into junior management positions.</li> <li>● Conceptualised and implemented the training objectives for the Officer Candidate School in Kabul to reflect the changing demands of modern asymmetric warfare.</li> </ul>	
2007 to 2013	<b>Technical</b>	
	<ul style="list-style-type: none"> <li>● Signalling Officer in command of coordinating artillery gunfire and communications operatives for both Remembrance Sunday and the Queen's Diamond Jubilee and London Olympics.</li> <li>● Initiated and led a risk and security analysis of the Kabul Military Training Centre's biometric scanning processes; closing all identified security loopholes.</li> </ul>	