

Robert Mackness

Junior Full Stack Web Developer

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Experience

Web Development	Design and implementation of RESTful APIs, User Interfaces and responsive design. (Full stack Javascript) Design and implementation of authenticated, reactive live-chat client (Full stack Javascript)
Financial Trading Development	Design and implementation of intelligent pattern recognition and trading software. (MQL4 for Metatrader)
Android Application Development	Design and implementation of 2D games integrated with third party API's and advertising networks. (Java w/ LibGDX Framework)
Misc. Technical	Lead technical consultant for multiple projects within the private sector; including satellite communications, network configuration, installation and troubleshooting. Service delivery management for a range of international clients in the private sector.
Misc. Leadership	Leadership, management and administration for multiple units ranging from 30 to 45 soldiers. Officer in Command of coordinating artillery gunfire and communications operatives for high profile London-based events.
Career in Brief	~1.5 year software development. ~2 years IT Consultancy and Service Delivery Management, ~6 years experience as a Queen's Commissioned Officer (Royal Signals)

Technical Proficiencies

• • • • • [Javascript / ECMAScript](#)
• • • • • [HTML](#)
• • • • • [CSS](#)
• • • • • [Angular](#)
• • • • • [Heroku / Gulp](#)
• • • • • [Java](#)

• • • • • [MongoDB](#)
• • • • • [PostgreSQL](#)
• • • • • [Node / Express](#)
• • • • • [Meteor / React JS](#)
• • • • • [Version Control \(Git\)](#)
• • • • • [Linux](#)

Education

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

Certification

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

Career History

Jan 2016 to Present	<div> <div>Full Stack Web Dev / Financial Trading Dev (MQL4)</div> <div>Mackness.io / MQL4</div> </div> <p><i>Portfolio design and implementation - Creation of custom API's and UI's with the MEAN stack.</i></p> <p>Technical</p> <ul style="list-style-type: none"> • Mackness.io - Node, Express, Angular, MongoDB, Gulp, Bootstrap, Heroku, Git. • Revision and study of key Javascript, HTML/CSS, Algorithms + Data Structures • (Hobby) Financial trading algorithm and automated brokerage order placement (MQL4)
	<div> <div>Full Stack Web Development</div> <div>Erfara</div> </div> <p><i>Startup discontinued due to unforeseen circumstances.</i></p>
Sep 2015 to Dec 2016	<p>Technical Co-Founder</p> <ul style="list-style-type: none"> • Node / Express server. Parse.com datastore backend. React front-end.
	<div> <div>Android Dev (LibGDX) && Web Dev(Ruby on Rails / Meteor)</div> <div>Self-Taught</div> </div> <p>Android</p> <ul style="list-style-type: none"> • Design and implementation of multiple profitable 2D Android games integrated with third party API's. Written in Java using the LibGDX framework in Eclipse and Android Studio. <p>Ruby on Rails</p> <ul style="list-style-type: none"> • The Odin Project + Michael Hartl's Rails tutorial + Rails/Angular/PostgreSQL tutorials. <p>Meteor JS</p> <ul style="list-style-type: none"> • Design and implementation of an authenticated real-time chat program with typeahead search. <p>Marketing / SEO / Advertising / UI / Image Manipulation</p> <ul style="list-style-type: none"> • 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.
Jan 2015 to Sep 2015	<div> <div>IT Networking Consultant / Service Delivery Manager</div> <div>Blue Chip Data Systems</div> </div> <p>Technical</p> <ul style="list-style-type: none"> • Lead engineer for multiple technical projects within the private sector; including satellite communications, network design, configuration, installation, troubleshooting and security. <p>Leadership and Management</p> <ul style="list-style-type: none"> • Technical service delivery management for a range of international clients in the private sector.
	<div> <div>Royal Signals Troop Commander – Queen's Commissioned Officer</div> <div>British Army</div> </div> <p>Leadership and Management</p> <ul style="list-style-type: none"> • Leadership, management and administration for multiple units ranging from 30 to 45 soldiers. • Working closely with the director of a 500 strong Afghanistan National Army training unit as a leadership consultant. • Management of all UK cryptographic material, electronic warfare devices, satellite/radio communications equipment and a fleet of vehicles for various units in Afghanistan, Germany and the United Kingdom.
2007 to 2013	<p>Training Delivery</p> <ul style="list-style-type: none"> • 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. • Conceptualised and implemented the training objectives for the Officer Candidate School in Kabul to reflect the changing demands of modern asymmetric warfare.
	<p>Technical</p> <ul style="list-style-type: none"> • Signalling Officer in command of coordinating artillery gunfire and communications operatives for both Remembrance Sunday and the Queen's • Diamond Jubilee and London Olympics. • Initiated and led a risk and security analysis of the Kabul Military Training Centre's biometric scanning processes; closing all identified security loopholes.