

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 Informations 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 securityloopholes. |