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| **Robert Mackness** | **mackness**.io  **blog**.mackness.io  **facebook**.com/rob.mackness  **github**.com/robertmackness |
| **Junior Web Developer** |
| Edinburgh, Scotland +44 7775432552 robert@mackness.io |

Sir / Ma'am,

Liam from edenscott mentioned to me that you're actively recruiting for a software engineer position to join your team at QikServe, who are revolutionizing the payment systems in place within the hospitality sector. It sounds like an amazing opportunity within a fast-paced and challenging work environment filled with talented people, the sort of team that I aspire to work with. I believe that given the opportunity I can add value and be a productive member of your organisation.

I'm a self-taught developer who discovered a passion for coding while working as an IT manager at a managed-services company, and have been self-studying full-time ever since. My full portfolio is located at my personal site mentioned in the header, but with regards to your job spec I'm summarized relevant experience below:

**Responsive Web-Applications – RESTful API design – Build Automation**

Within my portfolio site at mackness.io is a responsive web app written in Angular 1.x that consumes an API that I designed and built using Node, Express, Mongoose and MongoDB. The front-end app can perform CRUD operations via the API on the server , which performs database operations on a MongoDB datastore hosted with mLab. The build process of JS, CSS and HTML minification and obfuscation is automated with Gulp.

**Java – OOP – Android – 3rd Party API's**

I've got a live Android application on the Play Store; a 2d Android game integrated with the Swarm global leaderboards API and Google AdMob. It was written in Java using the LibGDX framework. Play store link available via the portfolio at mackness.io.

I'd love to hear back from you, even if I'm not a match for the position, as any feedback at this stage in my endeavor to break-in to the developer community is invaluable.

Thank you for your time,

Robert Mackness

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**Portfolio**

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| **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**](http://www.mackness.io/)  [Demo Customer Service Portal](http://www.mackness.io/" \l "/portfolio/customerserviceportal)  **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](https://github.com/robertmackness/js-assessment/tree/master/app)  **Rebecca Murphey's Javascript Assessement**  Scope, Closures, Regex, String manipulation, Bitwise Operators, Recursion and more. |
| **Web-Development Technical Blogging**  [blog.mackness.io/](http://blog.mackness.io/)  Assorted articles on web development. |
| **Platform Survival Game – Android**  [Google Play Store Link](https://play.google.com/store/apps/details?id=com.chopstickphoenix.miniwrestlesurvival.android&hl=en)  **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**

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

**Education**

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| **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 |

**Career History**

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| **Jan 2015 to**  **Present** | **Self-Taught Developer**  **Technical**  ***●*** MEAN Stack - Node, Express, Angular, MongoDB, Gulp, Bootstrap, Heroku, Git.  **●** 2D Android games integrated with third party API's. Written in Java using the LibGDX framework in Eclipse and Android Studio.  **●** Design and implementation of an authenticated real-time chat program with React/Meteor.  **●** The Odin Project + Michael Hartl's Rails tutorial + Rails/Angular/PostgreSQL tutorials.  ***●*** Financial trading algorithm and automated brokerage order placement (MQL4)  **Marketing / SEO / Advertising / UI / Image Manipulation**  **●** 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. |
| **2013**  **to**  **2015** | **IT Networking Consultant / Service Delivery Manager Blue Chip Data Systems**  **Technical**  **●** Lead engineer for multiple technical projects within the private sector; including satellite communications, network design, configuration, installation, troubleshooting and security.  **Leadership and Management**  **●** Technical service delivery management for a range of international clients in the private sector. |
| **2007**  **to**  **2013** | **Royal Signals Troop Commander – Queen's Commissioned Officer British Army**  **Leadership and Management**  **●** 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 international organisations.  **Training Delivery**  **●** 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.  **Technical**  **●** Signalling Officer in command of coordinating artillery gunfire and communications operatives for both Remembrance Sunday and the Queen’sDiamond 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. |