Alexander **Macdonald**

SOFTWARE DEVELOPER · MOBILE TEAM LEAD

16 Wisp Green, Edinburgh, EH15 3QX

📞 (+44) 7445438343 · ✉ hi@amcdn.dev · ↗ amcdn.dev · in amcdn · ⊙ AJM93

"Build projects around motivated individuals. Give them the environment and support they need, and trust them to get the job done."

Summary

Lead Mobile Developer managing a small team in a software house working fully remote for the past year. 5+ years experience specializing in cross-platform mobile development in React Native, back-end/infrastructure & web development. I love sharing my knowledge with colleagues and getting stuck in to new technologies & seeing how they can improve workflow. Excellent communication skills with the ability to explain technical details to non-technical stakeholders.

Skills

DevOps	Bitrise, Jenkins, AWS, Docker, Vagrant, Serverless
Back-end	Express, Apollo, Django, REST, GraphQL, MySQL, PostgreSQL
Front-end	React, Redux, RxJS, Handlebars, Styled Components, HTML5, SASS
Mobile	React Native, PWAs, Native iOS, Native Android
Programming	Javascript, Node.js, Swift, Java, Python, Bash
Technologies	Git, Stripe, Firebase, Twillio, Cloudflare, Jira, Confluence, Trello, Sketch

Experience

Vidatec Ltd   *Fully Remote*

LEAD MOBILE DEVELOPER   *Nov. 2020 - Present*

- Managing a team of 4 people, providing support & assigning work
- Helping grow team, conducting technical interviews & onboarding new starts
- Heavily involved in our graduate program
- Deploying multiple projects on AWS (EC2, Elastic Beanstalk, Lambda)
- Serverless projects with GraphQL - Apollo Server - API & Next.js web app Deployed to AWS Lambda functions
- Setting up CI/CD for new projects with Bitrise & Bitbucket pipelines
- Multiple Stripe integrations
- Running workshops with potential clients to explore their ideas and outline suitable technologies for implementation

REACT NATIVE DEVELOPER   *Jul. 2019 - Nov. 2020*

- Software house working on a variety of apps for many clients, some being used by as many as 5 million people
- iOS & Android apps built with React Native
- Creating iOS & Android Native Modules where a clients 3rd party tool only has native SDKs (e.g. MappedIn)
- Many apps would have an accompanying CMS/API (Node.js, Knex.js, Express, Handlebars, MySQL)
- White-Labeling our exisiting products to assist in sales

Shot Scope - Golf Performance Tracker   *Edinburgh, Scotland*

iOS DEVELOPER   *Jul. 2017 - Jul. 2019*

- Solo developer of the native iOS app
- Required BLE to connect to, receive performance data & upload it from all of the Shot Scope golf performance tracking wearables
- Performed initial R&D to move mobile development to React Native
- Supported other developers in the transition to React Native
- Worked on the C# based API hosted on Azure
- Introduced Jenkins for CI/CD

Agenor Technology   *Edinburgh, Scotland*

APPLICATION DEVELOPER   *Jun. 2016 - Jul. 2017*

- Maintaining the Iceflo iOS app and API
- Creating the native Android version of the Iceflo app
- Creating the next-gen version of Iceflo web app (Moving from APEX to React.js with a Java API)
- Used Twillio to create chat within the next-gen Iceflo app

iOS DEVELOPER   *Jun. 2015 - Jun. 2016*

- Initially a 12 week summer internship, extended through my final year of university
- Developed Iceflo native iOS application
- Created API written in Java - with a PLSQL database - hosted on an Glassfish server

The University of Dundee   *Dundee, Scotland*

Lab Tutor/Mentor   *2014 - 2016*

- Helped 1st, 2nd & 3rd year students complete lab tasks & assignments
- Assignments included: Data structures with C++, Web development with Java, Games programming with Unity/C# & Networking
- Tasked with providing longer 1 - 1 mentoring sessions for struggling students

Co-Founder & Organizer of Hackdee 2015   *Mar. 2015 - Apr. 2015*

- Securing sponsorship from tech companies, namely NCR & J.P. Morgan
- Organised food, merch, challenges & prizes from sponsors
- Ensured the 70 person event ran smoothely on the day

Education

The University of Dundee   *Dundee, Scotland*

First Class Honours in Applied Computing   *2013 - 2016*

- Awarded the NCR prize for exceptional performance in my 3rd & 4th year
- Regular Hackathon attendee & organiser - winning JP Morgan's prize at Stackshack 2015

The University of the Highlands and Islands   *Inverness, Scotland*

HND in Software Development   *2011 - 2013*