

# Andrei-Marius Longhin

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*Full Stack Software Engineer. Enthusiastic about programming, technology and everything computational.*

## Skills

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**Programming** Kotlin, Java, Typescript, Javascript, Python

**Backend** Spring, NodeJS (Express), Flask

**Databases** PostgreSQL, MongoDB, AWS DynamoDB

**Frontend** Angular 7, React (with Redux and thunk)

**DevOps** Docker, Kubernetes, Helm, GCP stack, AWS stack

**Tools and processes** Git, IDEA IDEs, Slack, Jira, Scrum, Kanban

## Work Experience

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### AmberBox

*London, United Kingdom*

SOFTWARE ENGINEER

*Oct. 2018 - Aug. 2019*

- Being part of a small team of engineers who build and maintain Cloud applications, following Agile principles and processes (2 week Scrum sprints, using JIRA boards, doing stand-up, sprint and poker-planning meetings, doing code reviews etc.)
- Having full ownership of projects, being fully involved in all the stages from architecture and design, to development (backend and frontend), to deploying the projects and maintaining them and offering support
- Building very interesting projects such as a Single Sign-on platform with Kotlin and Spring or a data retrieval application built with Kotlin and Spring on the backend (keeping in mind scalability) and React on the frontend
- Being involved in projects outside my normal areas of responsibility, notably in writing shell scripts to be run on embedded devices or maintaining and developing a couple of Java applications that run on embedded devices and make heavy use of IoT networking
- Having constant open source contributions to different libraries we used in our projects
- Other administrative tasks such as holding technical interviews and assessing candidates

### Click Travel

*Birmingham, United Kingdom*

JUNIOR SOFTWARE ENGINEER

*Aug. 2016 - Sept. 2018*

- Being part of an agile Software Engineering Team
- Duties include working on Click Platform and travel.cloud web client as described in Projects section, participating in daily stand-up and design meetings and performing code reviews via Github Pull Requests
- Being part of a cross-team Security chapter, where we research and guide implementation of security improvements throughout the whole codebase and operations
- Contributing to company's annual growth of £40 mil. in revenue and providing valuable additions to each product

## Project Experience

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### Single Sign-On Service

*London, United Kingdom*

SOFTWARE ENGINEER AT AMBERBOX

*May 2019 - July 2019*

- Micro-service used to authenticate users across all AmberBox platforms
- Had full project ownership, being involved in all stages from design and architecture, to development, to deploying the microservice
- Technologies used: Kotlin, Spring, PostgreSQL, Javascript

### Click Platform

*Birmingham, United Kingdom*

JUNIOR SOFTWARE ENGINEER AT CLICK TRAVEL

*Aug. 2016 - Sept. 2018*

- Rest API developed using micro-service architecture and domain-driven design
- Working on several parts of the platform including but not limited to Click's properties database or the Supplier Federation System (service that talks to external providers)
- Typical work-flow: confirm requirements with Product Owner, discuss design with team members, iteratively implement requirements, perform unit and service testing, record demo for important functionality
- Technologies used: JAVA, Spring, Node.js, AWS Lambda, DynamoDB, S3 etc.

## travel.cloud - [Link to website](#)

*Birmingham, United Kingdom*

JUNIOR SOFTWARE ENGINEER AT CLICK TRAVEL

*Aug. 2016 - Sept. 2018*

- Web client mainly developed using AngularJS
- Client sends requests to our platform and displays the results in an user-friendly fashion
- Updating existing functionality/Implementing new functionality (such as metrics for property views) and adjusting design to work with it
- Technologies used: Bootstrap, CSS, AngularJS

## Autolec - [GitHub Repository](#)

*Warwick, United Kingdom*

SOFTWARE DEVELOPER (TEAM MEMBER) AT PROJECT ATAA

*Feb. 2016*

- Proposed the idea of an app that automates tasks before lectures
- Worked alongside Project ATAA members to put the idea into practice, thus bringing Project ATAA 2 prizes at WarwickHACK
- Provided automation for the following tasks: turning wi-fi and sound on/off, adjusting screen brightness, in order to make students' life easier
- Worked on the java code used for communication with the database
- Held the demo presentation
- Technologies used: MySQL, Android SDK

## Education

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### University of Birmingham

*Birmingham, United Kingdom*

BSc (HONS) IN COMPUTER SCIENCE

*Oct. 2015 - Jun. 2018*

### Udacity

*Birmingham, United Kingdom*

FULL-STACK WEB DEVELOPER NANODEGREE

*Mar. 2016 - Apr. 2016*

- Finished Nanodegree in 30 days
- Learnt how to build web-apps using Python (also some Frameworks e.g. Flask) and SQL

### Cambridge English Language Assessment

*Bucharest, Romania*

CERTIFICATE OF PROFICIENCY IN ENGLISH GRADE A

*Nov. 2014*

## Honors & Awards

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| 2016 | <b>1st Place</b> , WarwickHACK "Build a hack that uses NFC and makes students' life easier" Challenge by Black Pepper Softwares | <i>Warwick, United Kingdom</i> |
| 2016 | <b>3rd Place</b> , WarwickHACK Best Hacks   | <i>Warwick, United Kingdom</i> |