

Eoin McCarthy

Full stack web developer based in Gaza.

Employment

Full stack web developer | Authored Limited | May 2017 - December 2017

Work was divided between working on the Authored's internal product, and working on analytics tooling for the Financial Times.

- When delivering features for Authored's product I would take responsibility for the implementation across the entirety of the stack.
- Was responsible for implementing analytics tooling for the Financial Times. Using a 'serverless' architecture I developed a system that you ingest 1.5 million documents per day and allowed teams at the Financial Times to get real time metrics about article annotations.

Technologies: MongoDB / DynamoDB / Elastic Search / NodeJS / ReactJS / AWS Lambda

Lead developer | Founders and Coders | January 2017 - May 2017

Had a verity of responsibilities across different projects including code review, architecture, and project management.

Open Tourism Platform | Nazareth Culture and Tourism Association

Open data platform / authentication service. Works as a backend for apps built in the tourism space in Nazareth, Israel.

<https://github.com/foundersandcoders/open-tourism-platform>

Yimovi | InFact Digital agency

A CMS-based website about movies from the Chinese medical humanities field.

Technologies: Node / KeystoneJS / Pug

<https://yimovi.herokuapp.com/en>

Online Content Reporter | Childline

Web app for under 18s to report explicit content of themselves that has been posted online. Uses YOTI to confirm age of users.

Technologies: NodeJS / ReactJS

<https://contentreporting.childline.org.uk/>

Near miss / positive interventions | Berkeley Homes

Web app to report near accidents, dangerous things and positive safety precautions on building sites.

Technologies: NodeJS / PostgreSQL / AWS S3 / AWS SES / ReactJS

<https://github.com/berkeley-homes/near-miss-positive-intervention>

Course facilitator | Founders and Coders

January 2017 - May 2017. Nazareth, Israel.

Ran the inaugural Founders & Coders Bootcamp in Nazareth, Israel.

Roles included:

- Building and refining the curriculum
- Running workshops and Q&A sessions with the students
- Coordinating the mentors and students
- Communicating with hiring partners and potential project clients
- Supervising graduate projects

Full Stack Web Developer | Analytic Risk Technology

January 2016 - December 2016 | London, UK

Large application with spreadsheet functionality. Built to manage top level data for stress testing by financial regulators.

Technologies: NodeJS / PostgreSQL / ReactJS

Research Assistant | Bristol University

June 2014 - August 2014. Bristol, UK.

Developed mathematical techniques for modelling first passage processes used in Mathematical Ecology. This job was awarded to two students in recognition of outstanding academic achievement.

Robotics Engineer | Novi Systems

March 2012, June 2012. Dulverton, Devon, UK

Internship at Novi Systems, which builds robotic systems for the automation of inhaler testing. Focus was on programming embed systems using ladder logic.

Education

Bristol University, The University of Hong Kong | MENG in Engineering Mathematics

Grad. July 2015 | Upper Second Class

My degree had a heavy focus on the mathematical modelling process. For my dissertation, I created a mathematical model relating car usage in the UK to a data set containing all MOT test results over a five year period. I spent my third year studying in Hong Kong.

Awards

- 2013: Studentship in recognition of outstanding grades
- 2011: Gold Award, UKMT Senior Maths Challenge
- 2009: Ogden Trust scholarship at Exeter School

Github: github.com/des-des

linkedin: [linkedin.com/in/eoindesmondmccarthy](https://www.linkedin.com/in/eoindesmondmccarthy)