

EMPLOYMENT

Full Stack Developer

Be A Part Of

Apr 2018 – Today

- Developed custom Angular checkouts, which handled upwards of \$5,000,000 in transactions
- Increased the processing speed of a web app which added products to the cart via file upload by 80%
- Released a complex online discount manager for BigCommerce that integrates with in-store POS systems
- Designed an API to handle sales statistics for the Canadian branch of the world's largest bakery company
- Communicated directly with clients to gather requirements and plan feature releases

Software Developer

Playprint

Apr 2016 – Jan 2018

- Developed Java applications which improved the efficiency of in-house numbering processes by up to 80%
- Designed numbering solutions for over 20 clients, each with unique lottery formats
- Lead developer of an Android gaming app for bingo halls that has been delivered to over 10 different venues
- Attracted business to the value of €15,000 - €20,000 by constructing promotional website concepts
- Automated the archival and categorization of scratchcard order details via SFTP, saving 20 minutes daily
- Member of a self-organised, cross-functional development team which operated in an agile environment

SOFTWARE PROJECTS

swaps.tf

Jul 2017 – Sep 2017

RESTful architecture; AngularJS; node.js; socket.io; Steam Web API; MongoDB

- A streamlined web app to trade virtual items instantly and automatically within Valve's Steam economy
- Resulted in a 125% increase in transactions and a 75% increase in profits over standard trading bots
- Minimal administrator intervention required as prices are all updated through an external pricing API

Lens

Jan 2017 – May 2017

Android SDK; Java; Firebase; Location services; Augmented Reality

- An Android app for browsing user-generated content at the current location using augmented reality
- Makes use of a custom-built augmented reality library to display markers through the app's camera view
- Features a comprehensive test plan which covers unit tests, UI tests and user acceptance tests
- Academically, this project was awarded a First-Class Honours (highest grade available)

Steam Trading Bot

Jul 2015 – Nov 2015

C#; MySQL; Steam Web API

- An automated bot which traded virtual items to users of the Steam platform
- Virtual items were acquired for 30% below market value which enabled them to be sold at a profit
- Over 20,000 transactions completed with approximately 1,000 different users

EDUCATION

BSc. Computer Applications

Dublin City University

Sep 2013 – May 2017

- *Coursework:* Data Structures & Algorithms; Statistical Machine Translation; AI Search; Data Warehousing & Data Mining; Software Testing; Linear Algebra; Operating Systems Design; Human Computer Interaction

LANGUAGES AND TECHNOLOGIES

- *Languages:* Java; JavaScript; Vue.js; Angular; Node.js; PHP; Python; HTML; CSS; MySQL; NoSQL
- *Technologies:* Android SDK; Steam API; Git; Subversion; AWS; Firebase; REST APIs; Linux; Location Services