

Robin Staunton-Collins

Python Developer

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Professional Experience

April 2019 – Present

Python Developer / Consultant – Capgemini, Poland

- **Serverless application design** and development to automate calculation of managed service charges for client cloud accounts
- Working closely with senior architects to translate high and low-level requirements into real system
- Creating and maintaining internal productivity enhancing CLI tool for the team to onboard and manage 150 client accounts in vendor platform
- Communicating effectively with team members and stakeholders to avoid potential risks
- Followed **Test Driven Development** approach using *Pytest* for unit testing

August 2018 – April 2019

Python Developer / Consultant – Capgemini, Poland

- Inherited and transformed a small proof-of-concept call-centre data mining application into a fully-fledged, scalable serverless application to automatically retrieve, transcribe and mine service-desk recordings for useful business insights
- Fully automated, decoupled data pipeline from automated retrieval from hosted data source through transcribing using AWS Transcribe, extracting meaning, sentiment, keywords using AWS Comprehend to storage, presentation and full text search using **Elasticsearch** and **Kibana**.

December 2017 – July 2018

Python Developer / Consultant – Capgemini, Poland

- Integrating various smart home and **IoT** devices into a single 'Smart Conference Room' user experience including smart sockets and lights, actions triggered by wireless charging stations, integration of room booking products as well as voice control.
- Fibaro smart sockets, Philips HUE smart lights, Lunera smart lights, Amazon Alexa, Teem room booking.

March 2016 – September 2016

Engineering Intern – ControlNet, Ireland

- Developing tank transfer control software for Schneider Electric PLCs
- Structured text, ladder logic, function block diagram programming paradigms
- CAD design of network topology diagrams, plan layout, switch sub-rack layout diagrams

Education

Batchelor Engineering Electrical/Electronic Engineering

2017

Dublin Institute of Technology, Ireland

- Emphasis on Computer Architecture, Digital Signal Processing and the Internet of Things
- Final Year Project – '**Real-time estimation of Spatial orientation**' – achieving accurate orientation estimation with an inertial measurement unit. Addressing issues such as gimbal lock as well as compensation techniques for magnetometer. Prototyped in MATLAB and written in C.

Certificates

AWS Certified Solutions Architect – Associate

2018

Technology

Backend: Python (Flask), AWS Lambda, API Gateway

Frontend: HTML, CSS, JavaScript

Misc. Python: Pytest, Pandas, Selenium, Plotly, Dash,

Cloud: AWS (Lambda, EC2, S3, SQS, DynamoDB, Elasticsearch Service, Cognito, Comprehend, Transcribe, Cloudfront)

Databases: AWS DynamoDB, SQLite

Version Control: Git

Containers: Docker

Linux: Ubuntu Server

Languages

English: Native