

# Ben Steadman

Software Engineer

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## EXPERIENCE

**Software Engineer, Jump Trading** - Oct/2019 - Present

**Software Engineer, Unipart Digital** - Sep/2019 - Oct/2020

- Analytics Platform Engineering - building a platform to empower other areas of the company
  - Automating and standardising ETL across business sectors
    - Ingestion from disparate sources
  - Close interaction with both internal teams and external customers
  - Building tools and services to provide access to services/data across the platform
  - Working closely with other teams to inform platform design and goals
  - Python
  - Java & Scala
  - Apache Kafka
  - Apache Spark
  - Distributed Computing
- Analytics applications and services for high business value customers
  - Warehouse optimisation and forecasting
- Engineering of Warehouse Management Systems and Enterprise Resource Planning software
  - Python
  - Apache Kafka
  - PostgreSQL
- Fully remote

**Software Engineer, Buto** - Jun/2018 - Sep/2019

- Full Stack development in a distributed system, with a focus on the backend, REST APIs and system architecture.

- Python
- Microservices
- Distributed Messaging
- JavaScript
- Designing and implementing external and internal systems
  - REST APIs for both end users and internal services
  - Focus on performance, maintainability, reliability and cost efficiency
  - End to end analytics pipeline providing access to detailed analytics data to end users and internal stakeholders via a REST API
    - Introduced significant cost reduction for the business compared to previous system
- DevOps.
  - Terraform
  - Linux servers
  - Docker (Linux containers)
  - AWS
  - CircleCI
- Serverless Architecture.
  - AWS Lambda
- Data Analysis.
  - Jupyter Lab
  - Pandas
- Fully remote team.

**Software Engineer, Owner, Steadbytes** - Feb/2017 - Jun/2018

- Full Stack development using Python, Django, Flask, PostgreSQL, Node.js and Vue.js.
- Network and communicate with clients in a professional environment.
- Develop interpersonal skills to facilitate clear and effective communication with clients.

**Volunteer Teaching, Willow Brook Primary School** - Nov/2016 - Jul/2017

- Planned and led introductory programming lessons with Year 5 pupils.
- Interactive lessons using Python and Raspberry Pi's.

- Gained a deeper understanding of the basic programming concepts in order to effectively teach.

## EDUCATION

### **Udacity Artificial Intelligence Nanodegree** - *Apr/2018*

- Learnt to solve problems such as search, optimization, planning, pattern recognition and classification.
- Experience using machine learning models such as CNN'S and RNN'S for NLP, Computer Vision and other supervised learning problems.
- Capstone Project: Facial Keypoint Detection and Real-time Filtering

### **Udacity Full Stack Web Developer Nanodegree** - *Jun/2017*

- Developed best practices in all aspects of full stack development - relational databases, securing servers, RESTful API's and responsive front-ends.

### **A Levels** - *2016 The Sixth Form College, Colchester*

- Computing, Mathematics, Physics, Chemistry
- Received **OCR award for Computing**

## TECHNICAL SKILLS

- Python, Rust, Java, Scala, Clojure
- Apache Kafka, Apache Spark, Django, Flask
- Git, GitHub, AWS, Terraform, Puppet
- Linux, Bash, Docker