

Ed Singleton

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GitHub <https://github.com/Singletoned>

EXPERIENCE

i.AI for Prime Ministers Delivery Unit, Cabinet Office

Lead Technologist (Contract) 2022-04-01 to 2023-08-31

- Created and lead an internal consultancy of 10 people
- Architecting and prototyping experimental web apps
- Providing tech advice to X-Gov development projects
- Building sustainably fast-paced practices, and developer-focussed libraries to support them
- Team leading and mentoring
- Tech used: Python, Django, Docker, React, JavaScript, Postgresql, DevOps, Terraform, AWS

Covid Taskforce, Cabinet Office

Lead Data Engineer (Contract) 2020-11-01 to 2022-03-31

- Architected and lead development on a system for rebuild charts
- Scraped foreign Omicron data and got it onto the PM's desk within hours of asking
- Trained and mentored data scientists in software engineering best practices
- Tech used: Python, Pandas, Django, JavaScript, Celery, Docker, Postgresql, Scrapy, AWS, DevOps

Institute for Apprenticeships

Lead Python Developer (Contract) 2018-11-12 to 2020-09-30

- Refactored internal data science platform
- Trained and mentored data scientists in software engineering best practices
- Implemented agile development practices
- Tech used: Python, Pandas, Django, Azure, Docker, Postgresql, DevOps

Boston Consulting Group Digital Ventures / De Beers

Lead Software Engineer (Contract) 2017-12-04 to 2018-08-03

- Architected and built a system for handling asynchronous data from an offline first mobile application deployed to artisanal diamond miners in Africa
- Built and supported backend app to receive data, handle buying of diamonds, and put data onto a sister blockchain app
- Tech used: Python, GraphQL, JavaScript, React, Docker, CICD, Heroku, Azure, AWS

Department of International Trade

Tech Lead (Contract) 2017-01-23 to 2017-10-31

- Worked on data collection project; engineering a data transformation and syncing service
- Built website, and integrated with data-science platform, and UN Comtrade Data and WorldBank Data
- Lead on 'dockerisation' of other websites
- Tech used: Python, Docker, Pandas, Behave, Scrapy, Postgres, Redis, Jade, AWS

Hitachi Consulting

2015-11-16 to 2016-09-30

- Architected and developed a prototype energy trading platform, including algorithmic price predictions and energy balancing
- Docker based micro-service deployment
- Architected and developed a data science platform for parallel, distributed simulations of the platform against historical data
- Architected and developed market simulator API to imitate market based on historical data
- Lead on architecture, quality and mentoring
- Tech used: Python, Docker, Django, Falcon, SQLAlchemy, Pandas, PuLP, Celery, RabbitMQ, Ansible, Fabric,

Digital Catapult

Senior Python Developer (Contract) 2015-11-16 to 2015-06-17

- Tech used: Python, Tornado, BlazeGraph, RDF, Behave, Flask, Bamboo, Docker, AWS
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Global Radio

Senior Python Developer (Contract) 2014-11-11 to 2015-06-16

- Tech used: Python, Django, Docker, Celery, ElasticSearch, Memcached, MySQL
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Streetbees

Head of Development 2014 to 2014

- Tech used: Python, Docker, Postgres, Redis, Celery, AWS
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Believe.in

Head of Development 2014 to 2014

- Tech used: Python, Django, Memcache, PostgreSQL, Pandas, Stripe, AWS
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Newman Online

Senior Python Developer 2009 to 2014

Large Blue

Technical Director 2008 to 2009

Make Your Mark Campaign

Web Manager 2006 to 2008

Misys

Web Manager 2005 to 2006

Talent Campaign

Web Manager 2001 to 2005

StartPoint

Web Developer 1998 to 2001