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 2023-06-31

- 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, Node.js, 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, Node.js, 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,

BDD, PostgreSQL, Redis, Jenkins

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

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

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

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

Streetbees
Head of Development   2014 to 2014

- Tech used: Python, Docker, Postgres, Redis, Celery, AWS

Believe.in
Head of Development   2014 to 2014

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

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