

# Matthew Power

## Curriculum Vitae

60 Valley Walk, Croxley Green,  
Rickmansworth, Herts., WD3 3TG

☎ +44 (0) 7962 885377

☎ +44 (0) 1923 236077

✉ [matthew@mthpower.uk](mailto:matthew@mthpower.uk)

🌐 <https://mthpower.uk>



## Employment

June 2016 **Python Developer**, *onefinestay*, London.

– present Worked on the Platform team, responsible for onefinestay's collection of 50+ Python Microservices. The Platform powers guest, homeowner, operations, and business facing applications.

### Key achievements:

- Delivered a new GraphQL backend for a rebuild of the *onefinestay.com* website, merging the existing *onefinestay*, *Squarebreak* and *Travel Keys* portfolios under one unified website and brand.
- Completed a two-way integration with *Rentals United*, a channel manager, allowing onefinestay to distribute it's inventory to many channels, such as HomeAway, Expedia and AirBnB.
- Bootstrapped and took ownership of our hiring process during an important transition for the team.
- Migrating platform's aggregated logging to AWS Elasticsearch Service.
- Dockerised services and deployed them onto AWS ECS, automated using Cloudformation.

### Core responsibilities:

- Development, testing and deployment of new services and new functionality in existing services.
- Running sprint ritual, including sprint planning and retrospectives.
- Technical design and architecture in a microservices ecosystem.
- Advocating for TDD, CI/CD and other development best practices.

June 2014 **Graduate/Junior Python Developer**, *Hogarth Worldwide*, London.

– June 2016 Worked on the development and maintenance of Zonza, a digital asset management (DAM) system. I worked on a variety of teams and projects, gaining experience with the development, testing, and deployment of Django web applications. Later, I moved into a DevOps function, working on a project to migrate the product from managed hardware to Amazon Web Services.

### Key achievements:

- Developed a bulk upload tool, which was used as part of the onboarding of two of the highest value clients for the business.
- Identified and fixed performance and security issues within the application.
- Migrated the product to AWS, providing a single button deployment of the application.
- Development and refactoring of new and existing Puppet Modules.

### Core responsibilities:

- Development of new features and functionality, working under an Agile methodology.
- Working with the product team to scope and define acceptance criteria for user stories.
- Deployment of release candidates to integration environments.
- Maintenance of shared internal libraries and code review of pull requests.

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## Education

2009 – 2013 **Physics, MPhys (Hons)**, *University of Southampton*, 2:2.

2002 – 2009 **A Level, GCSE**, *St. Clement Danes School*, Chorleywood.

- Physics: **A**
- Maths: **A**
- Chemistry: **A**
- Further Maths: **B**
- GCSEs, 6**A**\*s, 3**A**s, 2**B**s

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## Programming Languages

Python APIs, Django. Backend service design and testing.

Puppet DSL Config mgmt. with the Puppet DSL, structuring code to the Roles, Profiles and Modules pattern.

Ruby Puppet custom types, Rspec

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## Technologies

Frameworks Django, Flask, Nameko

Patterns RPC, Pub-Sub, REST, GraphQL

Databases Postgres, MySQL

Config mgmt. Puppet, Ansible

Cloud AWS - EC2, ECS, CloudFormation

CI Jenkins, Travis

Search Solr, ElasticSearch

Queues RabbitMQ

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## Interests

Software Contributions to free & open source software and my own projects  
<https://github.com/mthpower>

Python Organising episodes of the London Python Dojo.

- Humanism

- Fountain Pens

- Sailing

- Skiing

- PC gaming & hardware

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## References

References available on request.