

# Matthew Power

## Curriculum Vitae

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## 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 their 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.
- Migrated 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.
- Developed and refactored 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
  - Sailing
  - PC gaming & hardware
  - Fountain Pens
  - Skiing

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## References

References available on request.