

# Fernando Mezzabotta Rey

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## Technical Skills

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### Languages

#### Python

- I've worked extensively in Python –2.7 and 3.7+, a lot,– from scripting all the way to developing not-so-micro services in an OO fashion.

#### Java

- Know Java and it's principles but haven't really \*worked\* with it, beyond making projects with it at college.

#### Rust

- Like it a lot. I've mainly played with it, but would love to work with Rust professionally some day. Developed an unfinished and super simple Jenkins CLI client with it, called jenr: <https://github.com/fermezz/jenr>.

### CI/CD

#### Jenkins

- Worked extensively with it. Setting up several regular-jobs as well as many pipelines, in combination with many of its plugins.

#### Travis CI

- Used it mainly to work with open source projects.

### Testing Practices

Test Driven Development [TDD]

### Agile Methodologies

#### Scrum

# Job Experience

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## Eventbrite – Software Engineer

### Engineering Development Academy (EDA)

- As a junior engineer I participated in the development academy Eventbrite has to introduce engineers getting out of college or with no/little experience into the tech industry.

### Music Product

- Built several features related to Eventbrite Music.
- Participated on building and maintaining the Artist Search feature powered by Elasticsearch, so that organizers could search through ~5M artists and tag some of them into their events.
- Designed, implemented, documented and maintained public and private REST-ish API endpoints.
- Owned a specific service of our distributed architecture which had to respond up to ~200 requests per second.
- Worked with several technologies such as Redis, Celery with RabbitMQ as backend, Django as web framework and uwsgi as application server. Used Nginx for reverse-proxy.
- Monitored the before mentioned services and overall infrastructure through tools such as DataDog, Graphite, Splunk, etc.

### DevTools [Current]

- I'm participating on building and maintaining our CI/CD process with mainly Jenkins.
- Supporting and maintaining our built-in-house, Kubernetes-based development tool.
- Participating on maintaining and improving the Docker images our services use in the before mentioned Kubernetes-based tool. Extensive Docker experience, here.
- Our Kubernetes Development tool is hosted in AWS in EKS. Also worked with ECR, EC2, ECS, CloudWatch and a bunch of other AWS services.

### Tech Debt [Extra]

- Participating on a project that consists in migrating all of our +100 repositories using Python from Python 2 to Python 3. For that to happen, we implemented and keep improving a bunch of Jenkins pipelines that run tests – with **Tox** and **PyTest** – inside a Docker container.
- Participated on deprecating a built-in-house, very old ORM for Python in favor of the Django ORM.
- Was involved in a company-wide effort of breaking up a huge monolith into remote services.

# Just For Fun

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## Audio Programming

- I find audio programming really interesting and I try to play with it when I find the time! Still very new in this world, though.

# Education

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## Universidad Tecnológica Nacional – FRM

Systems Engineering (2012 – 2020) – Missing only the final subject to graduate.

# On Culture

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- I like to participate in side projects besides my tasks in a job. It keeps me motivated and, thus, focused.
- Teamwork is super important to me, as well as keeping a good work relationships with my co-workers.

# Languages

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## Spanish

Can read – Natively

Can speak – Natively

## English

Can read – Advanced

Can speak – Advanced