

# Emmanuel Payet

N7, London

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*Software Engineer*

## About Me

I am a Software Engineer with 10+ years of experience in building full-stack web applications. In the last 4 years, I've expended my skillsets to line management, team and technical leadership. I am a pragmatic engineer who loves empowering other engineers to have impact and grow.

## Experience

Today **Technical Lead**, *Lyst*, London.

Apr. 2020 ○ Tech Lead for the Product Data team (8 people).

3+ years This team is in charge of the data pipeline from downloading data from partners (2000+ partners) to populating the catalogue database (8M+ products).

- Line management of 4 people for them to grow in their career.

All the people I manage are now senior engineers and some of them are also engineering managers and tech leads.

- Revamping a 13-years-old system to handle all our integrations.

The integration onboarding process is very custom and expensive, we're making it manageable by our internal team, resulting in better data quality for the customer.

- Built a system to automatically measure and monitor the stock & price accuracy of our key partners, letting us know much faster when there are integration issues.

We used this tool to analyse how the data accuracy impacts the customer experience.

- Technologies: Python, AWS Services (SQS, Kinesis, EKS, S3, RDS/Aurora, ...)

Apr. 2020 **Senior Software Engineer**, *Lyst*, London.

Apr. 2019 ○ Worked with data scientists to productionise new machine learning models.

1 year This now covers 80% of our new incoming products, reducing the cost of manual categorisation by \$1M per year.

- Added brand-new product category (face masks) in the internal taxonomy for the first time in 10 years, automatically categorised.

The timing was important for the company and this was added quickly.

- Finished product data migration from the monolith to the use the new catalogue microservice. This was a large tech debt piece involving working with other teams.

- Technologies: Python, Django, Flask, PostgreSQL, DynamoDB

Apr. 2019 **Software Engineer**, *Lyst*, London.

Jun. 2017 ○ Made the catalogue international and multi-currencies, helping Lyst launch in more markets (Japan, Russia, etc.). Worked across the full stack to make it happen.

2 years

- Added an internal dashboard to interact with our catalogue API.

- Technologies: Python, Django, JavaScript, NodeJS, React, Redux

- Jun. 2017 **Software Engineer**, *Marks & Spencer*, London.
- Nov. 2015 **Software Engineer**, *Marks & Spencer*, London.  
 2 years
- Created CFTO (Christmas Food To Order) website within a large multidisciplinary agile team (15 people).  
 12-factor app running on multiple cloud providers allowing high availability.  
<https://christmasfood.marksandspencer.com>
  - Built a Single Page Application to help customers choose the right item sizes.
  - Rewrote responsive email templates using open-source tool MJML.  
 Uses React components for a better reusability between email templates and more consistency between email providers.
  - Contributed to the MJML open-source project.
  - Technologies: Python, Flask, JavaScript, NodeJS, AngularJS, React, HTML, CSS, Progressive Enhancement, Heroku, Cloud Foundry, CodeShip, Concourse
- Sep. 2015 **Software Engineer**, *Cdiscount*, Bordeaux.
- Sep. 2012 **Software Engineer**, *Cdiscount*, Bordeaux.  
 3 years
- Created the developer hub of the Cdiscount openAPI, allowing many developers to manage their applications and use the interactive documentation.
  - Added features to the Catalog as part of the service team.
  - Worked on internal web service monitoring tools (SOAP) to easily swap between environments, improving the team productivity.
  - Mentored junior developers.
  - Organised knowledge sharing workshops (code dojos).
  - Technologies: C#, SQLServer, JavaScript, AngularJS, NodeJS, MongoDB, Jenkins

## Education

- 2010–2015 **EPSI (École Privée des Sciences Informatiques)**, Bordeaux, France.
- Master's degree, Computer Science Engineering
  - Bachelor's degree, Computer Science Engineering

## Languages

French	Native
English	Fluent
Japanese	Beginner

## Interests

Sports	Kung Fu (6 years, Blue Belt), Squash
Hobbies	Video games, Japanese animation