PIERRE-EDOUARD BARRAULT
DATA ENGINEER / FULL STACK DEVELOPER

Rotterdam,
Netherlands

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QUALIFICATIONS

> Data
- Data management; ETL processes design and implementation
- Quantitative analytics ; data architecture/modeling ; quality assessment
- Web design: dashboards, data/content management platforms, landing pages

> User Experience
- Research : interviews, surveys, cognitive walkthroughs
- Design : information architecture (personas, user scenarios, site maps) & interaction design (userflows, dynamic wireframes, high-fidelity prototypes)

> Project Management
- Reporting, planning, budget, communication
- Agile development

EXPERIENCE

Data Engineer   MAY 2019 - NOW
GeoPhy (Delft, Netherlands)
Developing ETL pipelines for real-estate based data ingestion
- Python environment
    ... it's fresh ! I just started

Founder / Full stack developer   DEC 2018 - NOW
Muz (Rotterdam, Netherlands)
*Creating the **muz.app** (launching in May 2019) data platform for cultural organisations to seamlessly manage and improve their collections with IIIF and Linked Data standards*
- Concept, strategy, design and development from scratch
- Scalable backend (Python, Flask, Celery, Rabbit-MQ) with automated ETL features
- Minimalistic and dark themed frontend based on Flask, Vue.js and Bulma
- Focus on delivering the smoothest experience for non-data experts to manage data(sets)

Reporting Specialist   JUN 2018 - JAN 2019
RTL (Hilversum, Netherlands)
Supporting a major data strategy change by migrating hundreds of reporting features
- Gathering business requirements & training users into the new Whatson reporting tools
- Designing XSLT templates to transform raw XML into interactive Excel spreadsheets
- Identifying data completeness/discrepancy critical issues and data architecture flaws

Data Ingestion Specialist   JUN 2016 - JUN 2018
Europeana (The Hague, Netherlands)
Reclaiming new data pipelines and advocating for Linked Open Data principles
- Managing 15M items from key European institutions (Finnish Nat. Gallery, Louvre, etc.)
- Designing new pipelines, data quality dashboards and automated mapping templates
- Training to the Data team in Bash and XSL ; Member of the Europeana IIIF Task Force
- Public presentations during national workshops (copyright, LOD & data good practices)

TOOLS

Data
Python, Shell, Celery, Rabbit-MQ, R
MongoDB, Elastic Search, SQL, SPARQL
XSLT, Regex, RDF, SKOS, IIIF, Open Refine

Web
HTML5, CSS3, JS, JQuery
Flask, Vue, Bulma, Bootstrap

Prototyping
Axure, Balsamiq, Photoshop, InDesign

Media
Final Cut, Lightroom, Pro Tools

Management
Git, Jira/Confluence, Trello

LANGUAGES

English: Fluent
French: Fluent
Spanish: Medium
Dutch: Beginner

EDUCATION

Master of Information Architecture
**Ecole Normale Superieure de Lyon, France
+ University of Waterloo, Canada**
October 2013 - October 2015

Licence Documentation Audiovisuelle
IUT Montaigne, Bordeaux University, France
Equivalent to a Bachelor of Library & Information Science with a major in photo, video and sound
September 2011 - September 2012

Scientific preparatory class
+ 1st year of the Engineer's Degree
**Classe Prép. aux Grandes Ecoles (ATS), Lycée Lafayette, Champagne-s/-Seine, France
+ Ecole d'Ingénieur ESIX, Cherbourg, France**
September 2007 - June 2009

BTS Audiovisuel option Métiers du Son
EICAR, Paris, France
2 years audiovisual technical degree, equivalent to Certified Audiovisual Technician
September 2002 - June 2005