

Howard Melnyczuk

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Relevant experience

10.2019—Present

Full-Stack Developer, TransferWise

TransferWise is one of Europe's highest valued startups, specialising in cross-currency financial services. I have been focussed on building system-critical microservices that must perform hyper-efficiently, scale effectively, and pass the scrutiny of financial authority standards around the world.

Key Responsibilities

- Build and maintain Java Spring microservices
- Build and maintain React/Angular front-end apps
- Review pull requests and provide feedback across domains
- Collaborate in product discussions & input on product decisions
- Continuous deployment and inspection on AWS

09.2018—08.2019

Full-Stack Developer, BBC News Labs

News Labs is a technology-agnostic, project driven innovation incubator based across R&D and News departments, focusing on cutting-edge projects addressing concerns facing modern journalism.

Key Responsibilities

- Project ideation & rapid prototyping for greenfield projects
- User-driven research, design and testing
- Led development of a ML/NLP tool for news discovery
- Architecting projects for deployment on cloud infrastructure

Front-end Developer, BBC iPlayer Web

As part of an agile team working on the iPlayer responsive website, I worked to constantly improve one of the UK's most used services. Given the volume of traffic, a strong focus on improving performance across all browsers and operating systems was vital.

Key Responsibilities

- Worked collaboratively through pair programming & TDD
- Developed sophisticated A/B tests with insightful metrics
- Work with UX designers to implement new features
- Focused on accessibility and cross-browser support
- Updated REST client to improve caching

03.2018—08.2018

Python Developer, Spirable

Spirable is an adtech startup. I worked on the core platform generating contextual, audience specific video content, algorithmically and at scale.

Key Responsibilities

- Maintain core product stack
- Implement OpenCV audio-video processing algorithms
- Design and build new scalable features
- Respond to client feedback to meet strict deadlines
- Develop Bash scripts for internal automation
- Support Creative in generating content for pitches
- Deliver client training around the use of the product

09.2016—09.2017

MA Computational Arts

Goldsmiths College
University of London

09.2009—07.2012

BA Cinema & Photography

Institute for Communication Studies
University of Leeds

TypeScript / JavaScript

React / Redux
Angular.js
Node.js
Webpack / Babel
Next.js
Sass / Less
WebGL
Jest / Mocha
React Testing Library
Enzyme
CucumberJS

Python

Django
Flask
OpenCV
Tensorflow
SpaCy
NLTK
SciPy
Celery
Mypy
Black

Java

Spring
Spock
Mockito
Gradle
Maven
Kafka
Lombok

More

Ruby on Rails
FFmpeg
Docker
Bash
Postgres
SQLite
Redis
RabbitMQ
AWS
ElasticSearch
Security & Threat modelling
TDD / BDD