Bogdan Covrig

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A software engineer focused on building data infrastructures that support the development of digital legal research frameworks. My current interests are in web privacy and transparency, social media profiling, and human-computer interaction focusing on user behavior and consumer protection.

WORK

**Sept 2019
Present**

Software Engineer @ *Maastricht University*
– Building and maintaining data infrastructures that support our research. Developing ETL pipelines to extract and normalise millions of legal data points. Building REST (Javascript) and GraphQL (AWS) APIs to serve data to our users and interfaces.
– Developing React interfaces (Typescript) to make our data available and accessible to hundreds of users. Created internal no-code tools (React/Node) to enable our teams to visualise and interact with the data.
– Conducting and publishing research at the intersection of computer science, law, and social sciences. Publications address topics such as deceptive design patterns on e-commerce websites, network analysis, and topic modelling.

**Jan 2019
Aug 2019**

Java Student Assistant @ *Saxion University of Applied Sciences*
– Held office hours to help students understand, write and debug better Java code.
– Graded and gave feedback on students work and assignments.
– Advocated and encouraged students to have open discussions about their education and programming journey.

**Sept 2018
Aug 2019**

Fullstack Web Developer @ *Infomedia SRL*
– Designed and developed scalable API features through MEAN stack for commercial web platforms.
– Wrote and maintained internal tools, such as loggers, CLIs, and dashboards that resolved existing issues in development or production environments.
– Implemented DevOps toolchains to automate and accelerate the development processes.

EDUCATION

2017 - 2021

Saxion University of Applied Sciences
Bachelor of Applied Science - BASc, **Applied Computer Science**
Bachelor Thesis: *URL Product Web Page Classifier*

2017 - 2018

Google Developer Challenge Scholarship (Udacity)
Mobile Web Specialist Certification

COMMUNITY INVOLVEMENT

VOLUNTEERING

Virtual Coffee
Assisting the members of the community into processing and publishing educational tech content on the Youtube channel.

Technolawgeeks Student Association
Consolidating the knowledge exchange and cooperation between Law and Computer Science students at Maastricht University.

The League of Romanian Students Abroad (LSRS)
Accommodating the needs of fellow students in the Netherlands. Organising cultural, entertainment, and professional events to expose Romanian students to diversity.

QCon London Conference 2016 & 2019
Supporting the inner processes of managing a world-wide size software engineering conference. Networking with professionals.

GITHUB ACTIONS

Code of Conduct Notifier GitHub Action - *github.com*
Remind the members of your community of their Code of Conduct.

Deploy to Deta Micro GitHub Action - *github.com*
Deploy your project to a Deta Micro.

Copy Sentiment Analysis GitHub Action - *github.com*
Run sentiment analysis over the text of your website.

OPEN SOURCE CONTRIBUTIONS

Forem - *github.com/forem/forem*
Community building and blogging platform

Fig.io - *github.com/withfig/autocomplete*
Developer tool that adds autocomplete to the terminal

Virtual Coffee- *github.com/Virtual-Coffee/virtualcoffee.io*
Static 11ty website for Virtual Coffee community

Protegé - *github.com/drewclem/protege*
Remote jobs posting platform for junior developers

PUBLICATIONS

ARTICLES

Return of the AI: An Analysis of Legal Research on Artificial Intelligence Using Topic Modeling
C Rosca, **B Covrig**, C Goanta, G van Dijck, G Spanakis in *Proceedings of the Natural Legal Language Processing Workshop*

Defence Against the (Digital) Dark Arts: Defining, Detecting and Measuring Unlawful Dark Patterns in the EU
C Rosca, **B Covrig**, C Goanta, G Spanakis, G Acar in *5th Workshop on Technology and Consumer Protection (ConPro '21)*

BLOG POSTS

Contribute to Forem in Gitpod on your own fork

Getting started with Google Cloud Functions on Firebase

Run your Node.js application on a headless Raspberry Pi

VIDEOS

Web Monetization for Tech Content Creators - *youtube.com*