

# Conor Flynn

Self-driven, full stack software developer, with a strong interest in Linux, Open-Source, and self-hosted services. Looking for roles in high-quality environments.

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## EXPERIENCE

### VisionR, Dublin/Remote — *Principal Software Engineer*

May 2019 - PRESENT

I was the first hire at VisionR, a company focused on creating an IoT platform to provide shop owners with information on their customers. I designed and implemented major parts of our infrastructure, including the data processing infrastructure, customer facing API, and numerous serverless/stateless services in AWS.

Technically, I gained a lot of experience in infrastructure design, and how to effectively conduct and evaluate research. On the soft-skills side, I gained experience hiring, onboarding, and mentoring new hires, as well as polishing my communication skills both up and down the organization hierarchy.

### Toast, Dublin — *Software Engineer*

Sep 2018 - May 2019

Toast is a hardware/software provider for bars and restaurants to manage their business. My responsibilities were on the Loyalty/Gift Cards team. Specifically being responsible for developing Toast's first-party loyalty card system. This involved implementing features on their Android application, and developing the API on the backend in Java/Kotlin.

### Metro, Dublin — *Co-Founder*

Jan 2018 - Sep 2018

Metro was a startup focused around ethical data collection on the web. The concept allowed users to choose with strict granularity which data they were comfortable being collected, and what degree of anonymity they desired. People looking for data could then purchase anonymized datasets consisting only of data users were comfortable sharing. Users were compensated directly each time their data was sold, with the option of donating small amounts to charity, or keeping the money for themselves.

### Amazon, Dublin — *Software Engineer (Intern)*

Jul 2016 - Jun 2017

As part of the Telemetry Acquisition team we were responsible for the

## SKILLS

Python  
Linux  
AWS  
Docker  
Postgres  
Vue 3  
Java  
Android  
Technical Writing  
Systems Design

## AWARDS

### Google Code-In Grand Prize Winner

Winner of an international competition for students in secondary education for my open-source contributions to Apertium

### IOI Team Member

Represented Ireland at the International Olympiad of Informatics in 2012

## Interests

Electronics  
Hackerspaces  
Chess  
Sewing

consistent, timely delivery of crucial status metrics used to power healthchecks and alarms for all of AWS. I worked on a number of components, with ownership of one portion of the delivery pipeline. Some specific features I completed:

- Improving product health by adding unit tests, CI and documentation
- Improving performance by analyzing metrics to find bottlenecks and reducing time to deliver metrics by half under certain conditions
- Upgrading the service to Python3

## EDUCATION

### Dublin City University — *Computational Problem Solving and Software Development*

2013 - 2018

This was an innovative course run by Dublin City University to accommodate students who had prior experience with software development before entering university. More advanced topics were focused on than the standard computer science degree in the university, and 50% of your yearly grade was calculated from a year long team project, where the professors operated as product owners, and work was conducted with full agile processes.

I achieved a first class honours, the highest grade awarded in the Irish third-level system.

## PROJECTS

### Fia — <https://getfia.com>

Fia is an AI language learning tool. It allows you to converse with an LLM, and provides corrections to mistakes you made, while continuing the conversation with you. Finally, it extracts mistakes and inserts them into a spaced repetition system.

I implemented all levels of the system, including the API, front end, and hosting/deployment. Some technologies used include Python, OpenAI, Vue3, FastAPI, Postgres, Docker, and Github Actions.

### Via — <https://via.randombits.host>

Via runs as an Android app, that detects when you begin cycling, and begins collecting data about the quality of the road with a focus on user privacy and anonymity. This was designed as a means of passively monitoring road quality, and discovering road usage patterns of cyclists in order to improve infrastructure.

I implemented all levels of the tech stack, including an app, an API, a front end and the deployment/hosting. Some technologies used include Python, MongoDB, Flask, Android, and Vue3.

## Volunteering

### ReDI School of Digital Integration

I volunteer with the ReDI School of Digital Integration, mentoring people individually looking to enter the tech industry.