

# Edmond O'Flynn

Software Engineer | Leuven, Belgium | [oflynned@gmail.com](mailto:oflynned@gmail.com) | [LinkedIn](#) | [GitHub](#) | [Website](#)

Experienced full-stack software engineer with 9 years of expertise in building user-centric web applications. Proficient in both frontend and backend development using React, TypeScript, NodeJS, and NestJS.

**Frontend:** React, NextJS, Remix, Zustand, Redux, Tailwind, CSS, Styled Components

**Backend:** NodeJS, NestJS, KoaJS, ExpressJS, Flask, Spring

**Languages:** TypeScript, JavaScript, Java, Kotlin, Python

**Databases:** SQL (MySQL, PostgreSQL, SQLite), NoSQL (MongoDB, DynamoDB), Graph (Neo4j)

**Other:** REST, GraphQL, Protobuf, Kafka, RabbitMQ, Docker

**Spoken Languages:** English, Irish, French, Dutch, German

## Experience

### Senior Software Engineer

01/2023 - now

Bluecrux

Mechelen, Belgium

- Designed and developed a configurable layout engine for visualising lead-time what-if analysis on factory stock, enhancing network decision-making capabilities.
- Achieved a 78% reduction in fetching and rendering time, handling up to 2GB of JSON supply chain data.
- Interviewed candidates for senior roles, managed the growth and regular check-ins of 3 reporting engineers.

### Senior Full Stack Software Engineer

08/2020 - 12/2022

Aaqua

Antwerp, Belgium

- Designed and implemented an encrypted, real-time websocket microservice that handled over 250K events per hour under stress tests, ensuring smooth and tamper-proof user interactions; even during peak loads.
- Implemented key full-stack features for polls, events, media, and text posts in the social media platform.
- Successfully onboarded and mentored 6 junior engineers, organised weekly knowledge-sharing workshops.

### Senior Front End Engineer

11/2019 - 07/2020

Sortlist

Brussels, Belgium

- Implemented a rewrite of the admin app from untyped Angular v1 to React v17 with TypeScript using NextJS.

### Contract Software Engineer

01/2019 - 11/2019

Ecosystem Equity

Remote

- Implemented v1 of a community resource credit-ledger, supporting poverty and sustainability initiatives.

### Software Engineer

01/2018 - 01/2019

Swrve

Dublin, Ireland

- Optimised latency on GraphQL resolver fields, reducing some latencies by a factor of 20x, from 6s to 300ms.

### Co-Founder, Product Engineer

04/2015 - 12/2017

GlassByte

Dublin, Ireland

- Founded a software consultancy, initially focused on research projects affiliated with Trinity College Dublin.

## Education

Computer Engineering (BEng), Trinity College Dublin

2:1 result

## Personal Projects

### Drink Sense

An Android app that tracks alcohol consumption in real-time, projecting estimated blood alcohol content and long-term consumption insights. Contains an API that calculates timelines, statistics, and health insights.