

# MYKOLA BRECHKO

## SOFTWARE ENGINEER

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**GITHUB** <https://github.com/my-ko-la/>  
**LOCATION** Warsaw, Poland

### PROFILE

Dedicated worker with a financial and managerial background. I have experience building projects from scratch and integrating into existing ones, a capacity to work in a team, as well as in total autonomy. I believe that the cornerstone of any successful undertaking is based in clear and effective communication, mutual respect and open-mindedness. I am looking to integrate a team which builds and maintains a coherent culture, and one that aims to get projects done.

### EXPERIENCE

#### Connectivity Team

Software Engineer  
@ **Qwist** (11/2023 – Current)

- Implemented and helped design **REST API** infrastructure for the **European Open Banking** initiative (PSD2), using technologies such as **NestJS**, **Redis**, **Kubernetes** (ArgoCD, Istio), as well as for the UK (UKOB), and the Kingdom of Saudi Arabia (SAMA).
- Wrote and maintained unit and E2E tests with **Jest** and **Nock**.
- Participated in complex domain modelling and pushed for adoption of **Domain Driven Design** and **Functional Programming** concepts.
- Was responsible for Quality Review and Assurance, with tools like **Sentry** and **Kibana**.
- Developed **internal tooling** to improve workflows, auto-generate documentation and save time.
- **Communicated** weekly with the client to ensure was on the right track, **reported** and **provided documentation** to management, and development teams

#### Acquired Skills:

Financial Sector Domain Knowledge, Domain Modelling, Low-level Debugging, Optimization, Documentation Maintenance, Refactoring,

#### EthosX (startup)

Fullstack Development  
@ **OmiSoft** (11/2022 – 11/2023)

- Identified system requirements and lead the design of the **BE architecture** of a web3 crypto trading platform, established work processes, improved upon inefficiencies
- Connected our web2 solution to the web3 world on the Front end with **React / Redux**, and on the Back end with **Express / EthersJs**
- Implemented a fully type-safe interservice communication

#### ResumeGets

Freelance Contractor  
@ **ResumeGets** (02/2020 – 11/2022)

- Implemented the design and functionality of a product website
- Helped partially migrate the codebase to **TypeScript**, quickly iterated through builds for the internal admin dashboard
- Worked in the development and functional design of a **CRM** system used to track employee performance, internal communications, and hiring.

### SKILLS

#### PROGRAMMING AND SOFTWARE ENGINEERING

**Languages:** TypeScript NodeJS Python C Golang    **Learning:** Zig OCaml Haskell Odin C++  
**Databases:** SQL (Postgres) MongoDB Prisma Mongoose Redis  
**Front end:** React NextJS Redux Zustand Jotai TanstackQuery HTMX TailwindCSS MaterialUI CSS  
**Back end:** NestJS Kubernetes REST APIs Docker NATS RabbitMQ Jest AWS  
**Web3:** EthersJS Wagmi Metamask Liquity  
**Other:** Linux (Arch/Ubuntu) CI/CD FP DDD Sentry Kibana Agile Kanban Jira Trello

#### WORK SKILLS

Using Google  
Problem Solving  
Effective Communication  
Reporting and Public Speaking

Presentation Skills  
Product Discovery  
Project Management  
MS Office

#### LANGUAGES

English (proficiency, C2)  
French (proficiency, C2)  
Ukrainian (native)  
Russian (native)

### EDUCATION

#### Web Development & Software Engineering

The Odin Project & [teachyourselfcs.com](https://teachyourselfcs.com)  
Self-Taught

#### Business Administration & Finance

ESSEC Business School  
2014-2018  
France

#### Machine Learning Certification

eCornell (incomplete)  
November 2021 – February 2022  
Online

**Interests:** CompSci, Functional Programming, Low Level Engineering, Mathematics, Bouldering, Sci-Fi Lit, Calisthenics