



# Maksym Polupan

Software Engineer

## CONTACT

Website

<https://github.com/mapolu>

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## PROFESSIONAL SKILLS SUMMARY

**Development:** C# .NET, Python, Microservices, Architecture, gRPC, Contract first, Postgres, Azure, Typescript, React, Webpack, Swagger, Git, Solidity, Ethereum, ASP.NET Core, .NET Core, TDD, DDD, SOLID, YAGNI, DRY, KISS, LoD, SoC

**Testing:** System tests, Contract testing, Narrow & Wide integration tests, NUnit, Mockserver, Fake Data

**DevOps:** GitHub Actions, Docker, Solution design, Traefik, Gitlab CI, Azure DevOps

**Protocols:** Bluetooth, Zigbee, WiFi

**Tools:** Swagger, Rider, Visual Studio Code, Visual Studio, Prometheus, Grafana, Postman, Jira, Home Assistant, ELK, ESPHome, Miro, Figma, Notion

## WORK EXPERIENCE

2021-12-01 TO 2023-01-01

### Senior Software Engineer at [GlobalLogic](#)

Currently helping the company by improving development processes.

- Built a testing framework that hid the complexity of a system to allow QA engineers to write tests more effectively and expressively
- Improved hardware sensor emulator code to achieve 20x faster throughput speeds
- Developed a hardware setup that would simulate a behavior of a real sensor and a library that can be used to control it
- Been part of most major technology decisions taken
- Authored developer guidelines
- Worked with other teams to integrate out solution with their systems
- Worked closely with partners in US and Europe

2021-06-01 TO 2021-12-01

### Personal Project Development at Self-employed

Took a sabbatical to try new things and blow the dust from long-forgotten projects.

- Contributed to open-source home automation framework. Been part of a major release.
- Developed a sophisticated personal organizer system using Notion. I know almost everything about Notion know.
- Developed smart home system using Home Assistant and .NET Daemon. Turned almost every device in my apartment into a smart one using ESPHome. Brought all cloud devices to a local network.
- Started to develop an algorithmic trading bot

2017-12-01 TO 2021-07-01

Senior Software Engineer at [Polytech Software](#)

Maintained and developed solutions for IoT management, data recovery systems, and medical applications

- Implemented new functionality and maintained microservice architecture for IoT device management
- As a CRO conducted research of new features and pitched them to the team
- Transitioned a 15-year-old project with over 100+ employees to .NET Core and Entity Framework Core
- Solo-developed and carried to production a mobile advisor application for medical doctors with no prior knowledge of mobile development. Took an extra step to make UI build from an external XML file to reduce deploys.

EDUCATION

2018-09-01 TO 2020-01-01

Institute of Ecology, Economics and Law

- Marketing/Marketing Management, General: *Master's degree*

LANGUAGES

|           |                      |
|-----------|----------------------|
| Ukrainian | Native Speaker       |
| English   | Fluent               |
| Italian   | Beginner             |
| German    | Beginner             |
| Russian   | Unfortunately fluent |