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
- Developed smart home system using Home Assitant and .NET Deamon. 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

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

- Conducted interviews as a technical specialist

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