



# Serhii Pohorilyi

Software engineer

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📍 Umeå, Sweden

## About me

I am a software engineer with a focus on the result, habits of self-education, and 9+ years of experience in software development. I believe that every engineering decision is a trade-off, and my job is to find the right one for the task at hand.

With experience in back end development and network security systems and background in computer science, distributed systems, and cryptography, I look for projects to apply my skills to and create business value for the company.

I sympathize with agile methodologies and have experience facilitating the work of my team as a scrum master.

## Specialized in

Back end development, network security, systems development

## Interested in

Research development, concurrency, database development

## Work Experience

2015-present

### Software developer & Scrum master, Clavister AB

At Clavister, my role consisted of two parts:

- design and development of embedded systems for network security for enterprise and telecom markets as well as management systems for network security devices
- facilitating the work of my team and ensuring the team's smooth operation

Projects that I have been part of include network security gateways NetWall, NetShield, gateway management system InCenter and others. This work involved:

- identifying use-cases, formalizing requirements and developing high-level design description and feature breakdown
- developing network traffic processing systems, network protocol implementations, application level gateway features, enterprise and telecom security gateway features etc.

Most of the development done in C, C++, and Javascript / Node.js.

Apart from my main projects, I have advocated and contributed to the improvement of internal systems to improve, optimize, and simplify engineering work at the company. I have also been part of Security Team responsible for investigating vulnerabilities found in our software or software we use and educating people about security.

As a scrum master, I have been identifying and solving blockers and other obstacles in the team's daily work, hosting planning, retrospective, and other meetings, and looking over the agile process.

2012-2014

### Python developer, ZEO Alliance / Kolo Global

Involved in the development of the back end of a cloud software analytics service. My contributions are:

- data gathering and aggregation services: Python backend with Twisted and MongoDB hosted on AWS with Amazon SQS as a message broker.
- website backend with Python and Pyramid.

2010-2011

### Junior engineer, OTP Bank Ukraine

I have been responsible for monitoring and maintenance of automatic banking systems, fixing any issues with the help of system's support, performing manual procedures and administration of databases.

2010-2011

### Independent software developer, oDesk

During my time as a freelance developer, I have participated in various projects, among which are:

- automatic after-hours voice mail system for a clinic using Python and Tropo API
- dynamic XML Schema conversion into a relational database, .Net C# and Oracle.

## Education

2011-2013	<b>Kyiv National Taras Shevchenko University.</b> master, Computer science. Major in distributed computations
2007-2011	<b>Kyiv National Taras Shevchenko University.</b> bachelor, Computer science
Other	2019-2019 <b>Machine learning course</b> , Coursera

## Skills

Technical	Technologies	Python, C / C++, Javascript / Node.js, AWS (S3, EC2, SQS), MongoDB, SQL
	Methodologies	Microservices, MVC, Algorithms, Async programming
	Tools	Unix, Linux, Git, Shell scripting, Vagrant, Windows, Jira/Confluence
	Familiar	Machine learning, Docker, Java, Rust, Go, C#
	Processes	Agile methodologies, Scrum
Personal	Traits	Goal oriented, adaptive, team driven, social

## Languages

Ukrainian - native  
English - fluent  
Russian - fluent  
Swedish - B2

## Interests

I play guitar in a small band. I love mountain biking, alpine skiing, and hiking.

## Other info

**Driving license**, B