







# Anatolii Kurotych

# Software Engineer



I'm a Software Engineer from Ukraine with leadership qualities, ambitions, and a background. More than 6 years of professional experience in startups and companies with legacy codebases where I used many different programming languages and technologies. Experienced GNU/Linux user, [Open source contributor](#).

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 <b><a href="#">Linkedin</a></b>	 <b><a href="#">GitHub</a></b>	 <b><a href="http://kurotych.com">kurotych.com</a></b>

## Skills

- Rust, C, C++, Python, Typescript, Javascript, Solidity, Lua, CMake, SQL Databases, Bash, Docker, AWS, CircleCI, Linux, Node.js, HTTP, SIP, SMPP, TCP/UDP, Multithreading, Linux System/Network programming.
- Project planning, Team management, Architecture development.

## Work experience

### Tech lead at [Minterest](#)

(10/21 — 04/23) 1 yr 6 mos

#### Achievements/Tasks

- Developed [DeFi lending platform](#) with a team from scratch to release (private launch)
- Participated in strategic tech discussions
- Provided blockchain (and web) architecture solutions. Wrote HLD, requirements, and diagrams.
- Collaborated with the team to propose and define the tech stack.
- Maintained project documentation using Confluence.
- Implemented CI/CD. Wrote CI jobs with **CircleCI**, **AWS** infrastructure via **Terragrunt**.
- Wrote and reviewed code in **Node.js with Typescript, Solidity, Javascript, and Bash**.
- Managed, planned, and groomed tickets.

### Software Engineer (Rust) at [Minterest](#)

#### Achievements/Tasks

(03/21 — 10/21) 7 mos

- Developed [polkadot parachain](#) with **Rust and Substrate**
- Wrote and reviewed code in Rust

## Software Engineer C/C++/Python at [PortaOne](#)

### Achievements/Tasks

*(06/19 — 02/21) 1 yr 9 mos*

- Optimized and maintained high load SIP servers (C++) on Linux.
- Adapted of code to state-of-the-art approaches in C++, including new standard (**C++17**)
- Reduced service compilation time by several times.
- Developed framework to test services with **Python**.
- Improved services documentation.

## Software Engineer C/C++, Team lead at [Demlabs](#)

### Achievements/Tasks

*(07/18 — 04/19) 10 mos*

- Lead Developer and Team Lead of DiveVPN service ([KelvinVPN](#) now).
- Worked on Architecture design.
- Implemented FSM(Finite-state machine) that helped make the project more reliable.
- Wrote code for high-load sections.
- Prepared projects for beta releases on Linux, Windows, MacOS, Android.
- Implemented the principles of project testing and continuous integration solutions.
- Led and managed a team of ~5 developers.
- Contributed to [cellframe-sdk](#).

## Software Developer GoLang/NodeJS at [EssentiaOne](#)

### Achievements/Tasks

*(10/17 — 07/18) 10 mos*

- Developed architecture design and wrote code for REST API web service to interact with different blockchains (Bitcoin, Ethereum, etc) and decentralized storages like Swarm(Ethereum)/IPFS/Storj by common API based on **GoLang**.
- Developed web service to interact with decentralized applications by REST API with **NodeJS**.

## Software Developer C/C++ at [Demlabs](#)

### Achievements/Tasks

*(01/17 — 10/17) 10 mos*

- Developed human-machine interface with **C++/Qt**.
- Fix bugs, increased performance for modules for Linux VPN server with **C**.
- Fix bugs, increased performance, and developed new features for client part of cross-platform VPN service with **C++/Qt**.

## Education

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[Lutsk National Technical University](#) (2019-2022)

Bachelor's degree in Software Engineering

[STEP Computer Academy](#) (2016-2017)

Software development course (1 year)

[Technical College LNTU](#) (2011-2015)

Associate's degree in Road transport.

## Achievements

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- The first implementation of Schnorr digital signature is not based on OpenSSL for open source community. It was [included](#) in the Trezor-Wallet project. Proved by copyright.

## Personal projects

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- [sqlant](#) (2022) - Generate PlantUML ER diagram textual description from SQL connection string
- [sipmsg](#) (2019) - Parse and validate SIP Messages according to RFC3261 with Rust.

## Certificates and Recommendations

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Can be seen on my [Linkedin page](#)

## Languages

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Ukrainian(Native), English(B2), Russian(Native)