

Hiring software engineer as easy as calling a taxi.

# Rostyslav

## Rust Engineer

### SUMMARY

- 8 + years experience in IT;
- 5+ years experience working with Rust;
- Good skills in creating smart contracts for Solana and NEAR Blockchains;
- Experience in building a bridge to Casper Network;
- Experience working with Filecoin, Zero Knowledge modules, and Fuel Blockchain;
- Deep abilities with MySQL, PostgreSQL, MongoDB;
- Experience working with Python, Java, PHP, Scala, and Spring;
- Good knowledge of AWS ElasticSearch;
- Experience working with Docker and Kubernetes (K8s);
- Experience working with DeFi and DEX projects;
- Deep skills with Apache Cassandra and Apache Spark;
- English: Upper-Intermediate.

### SKILLS

<b>Main Technical Skills</b>	Rust, Solana
<b>Programming Languages</b>	Java, PHP, Python, Rust, Scala
<b>Java Frameworks</b>	Apache Spark, Spring
<b>Scala Frameworks</b>	Apache Spark
<b>Python Frameworks</b>	Django
<b>Data Analysis and Visualization Technologies</b>	Apache Spark
<b>Databases &amp; Management Systems / ORM</b>	Apache Spark, AWS ElasticSearch, Cassandra, MongoDB, MySQL, PostgreSQL
<b>Amazon Web Services</b>	AWS ElasticSearch
<b>Industry Domain Experience</b>	Blockchain
<b>Methodologies, Paradigms and Patterns</b>	Agile

<b>Scripting and Command Line Interfaces</b>	Bash
<b>Virtualization, Containers and Orchestration</b>	Docker
<b>Version Control</b>	Git
<b>SDK / API and Integrations</b>	GraphQL
<b>Mail / Network Protocols / Data transfer</b>	GRPC
<b>Message/Queue/Task Brokers</b>	Kafka, RabbitMQ
<b>Deployment, CI/CD &amp; Administration</b>	Kubernetes
<b>BlockChain and Decentralized Software</b>	NEAR, Solana
<b>Other Technical Skills</b>	Casper Network, Filecoin, Fuel, Zero Knowledge

## EXPERIENCE

### Senior Rust Developer, NDA.

May 2018 – Now:

#### Responsibilities:

- Developed and implemented architectures for multiple microservice applications in e-commerce using actix-web and Tokio, gRPC, Kafka, Redis, Docker, and PostgreSQL;
- Implemented new features and enhancements to an existing Rust codebase;
- Worked closely with product managers and designers to deliver high-quality software products;
- Conducted thorough testing and debugging to ensure the stability and reliability of applications;
- Participated in codebase refactoring and optimization efforts;
- Collaborated with a distributed team using Agile methodologies;

**Technology:** Rust, actix-web, tokio, Scala, PostgreSQL, ElasticSearch, MySQL, MongoDB, Kafka, RabbitMQ, Docker, Kubernetes, gRPC, GraphQL.

### Rust Developer, Litanin LLC.

April 2017 – January 2021

#### Responsibilities:

- Wrote smart contracts for NEAR Blockchain;



- Wrote smart contracts for Solana;
- Built a bridge to Casper Network;
- Rewrote a monolith PHP web application to Rust microservices;
- Lead the architecture and design of microservices;
- Testing;
- Code review;
- Product support and documentation maintenance.

**Technology:** Rust, actix-web, tokio, Scala, PostgreSQL, ElasticSearch, MySQL, MongoDB, Kafka, RabbitMQ, Docker, Kubernetes, gRPC, GraphQL.

### **Java Developer, NDA.**

June 2016 – April 2017:

#### **Responsibilities:**

- Developed the backend part of an application in Java and Scala including some custom math for the use case;
- Collaborated with the team to design and implement software solutions;
- Participated in code reviews and provided suggestions for code improvements;
- Conducted testing and debugging to ensure the stability and functionality of applications;
- Assisted in the integration of third-party APIs and libraries;
- Contributed to the optimization and performance improvement of the codebase.

**Technology:** Java, Python, Spring, Django, MySQL, MongoDB, Kafka, RabbitMQ, Docker, Git, Bash.

#### **Also I am a contributor to open-source, namely:**

- Forest, which is an implementation of Filecoin written in Rust.
- Zerokit - a set of Zero Knowledge modules, written in Rust and designed to be used in other system programming environments.
- Sway - which a language developed for the Fuel Blockchain, where I took part in developing a compiler as well as standard library.

## **EDUCATION**

**Specialty: cryptography. Degree –Masters.**

**Faculty of Mechanics and Mathematics, Taras Shevchenko National University.**

2022-now

**Specialty: mathematics. Degree –Bachelor.**

**Faculty of Mechanics and Mathematics, Taras Shevchenko National University.**

2016-2020

Besides algorithms and data structures, I've studied group theory and cryptography during in my university, including but not exhausting with such themes as: elliptic curves, finite field algorithms, Fast Fourier Algorithms, polynomial commitments, bilinear pairings, zkSNARK, zkSTAKR, PLONK, Groth16, R1CS, Halo2, bellman.

