Rostyslav
Senior 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.

TECHNICAL SKILLS

Main Technical Skills	Rust, Solana
Programming Languages	Java, PHP, Python, Rust, Scala
Java Frameworks	Apache Spark, Spring
Scala Frameworks	Apache Spark
Python Frameworks	Django
Data Analysis and Visualization Technologies	Apache Spark
Databases & Management Systems / ORM	Apache Spark, AWS ElasticSearch, Cassandra, MongoDB, MySQL, PostgreSQL
Amazon Web Services	AWS ElasticSearch
Industry Domain Experience	Blockchain
Methodologies, Paradigms and Patterns	Agile
Scripting and Command Line Interfaces	Bash
Virtualization, Containers and Orchestration	Docker, Kubernetes
Version Control	Git
SDK / API and Integrations	GraphQL
Mail / Network Protocols / Data transfer	GRPC

Message/Queue/Task Brokers	Kafka, RabbitMQ
BlockChain and Decentralized Software	NEAR, Solana
Other Technical Skills	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.