

Yurii P.

Senior Haskell and Scala Engineer, Plutus smart contracts developer

SUMMARY

- 3 years of experience in Plutus / Cardano smart contracts developer role (Plutus Core, Plutarch)
- Cardano ecosystem knowledge
- Haskell, Scala, Cabal/Stack, GADTs/Type families, Generics, Servant, lenses, mtl, free monads - senior-level professional
- Functional programming with FRP, Redux, Event sourcing, Category theory
- OOP, OOD, UML, Design patterns, SOLID, DI. TDD, BDD, Unit, functional, and integration testing
- 14 years of experience in software engineering

TECHNICAL SKILLS

Main Technical Skills	Haskell (3 yr.), Scala (2 yr.), Akka, Plutus (2 yr.), Cardano
Programming Languages	Haskell (3 yr.), Objective-C, OCaml, Plutus (2 yr.), Python, Ruby, Scala (2 yr.), Swift
Scala Frameworks	Akka
Scala Libraries and Tools	Akka, Akka Actors, Akka Streams, Clojure, Scala Cats, Scala SBT
Python Libraries and Tools	Matplotlib, NumPy, Pandas, SciPy, Seaborn
AI & Machine Learning	NumPy
Ruby Frameworks	Ruby on Rails
Ruby Libraries and Tools	RVM
Data Analysis and Visualization Technologies	Pandas
Databases & Management Systems / ORM	AWS ElasticSearch, PostgreSQL
Amazon Web Services	AWS ElasticSearch
Platforms	Apache Mesos

Version Control	Apache Subversion, Gitflow
Scripting and Command Line Interfaces	Bash, Regexp
QA, Test Automation, Security	BugZilla
BlockChain and Decentralized Software	Cardano, Plutus (2 yr.)
Virtualization, Containers and Orchestration	Docker
SDK / API and Integrations	GraphQL, RESTful API
Deployment, CI/CD & Administration	Jenkins
Collaboration, Task & Issue Tracking	Jira
Message/Queue/ Task Brokers	Kafka, ZeroMQ
Web/App Servers, Middleware	RVM
Methodologies, Paradigms and Patterns	Waterfall
Other Technical Skills	Akka HTTP, Akka Stream, Coq, Emacs Lisp, Marathon, monocle, Plutarch, Plutus Core, portage, pyenv, Skikit-learn, Skipy

WORK EXPERIENCE

Platonic Systems

April 2022 — April 2024

Work with Plutus Core, Plutarch, Plutus Application Backend, Cardano Transaction Lib. Exchange platform and stablecoin system development, including liquidity, swaps, Oracles, and smart contracts.

Capgemini

September 2021 — February 2022

Scala Engineer in Payment services development. Payment statistics processing. Software engineer in QA, increasing existing functionality test coverage.

EMURGO

April 2021 — June 2021

Haskell Developer Contractor, Plutus Core smart contract development. Research and pilot implementation of Plutus smart contracts (beta).

CodeIT

May 2020 — January 2021, Kharkiv, Ukraine

Haskell Engineer, fintech cryptocurrency exchange platform, and BankID/OpenID authentication system. Development processes, CI/CD pipeline, nodes architecture design. Established Haskell development practice, and formed the team from scratch.

Paxnet Ukraine

February 2018 — February 2020, Kyiv, Ukraine

OCaml Developer, proprietary blockchain R&D. Setup development processes, CI/CD pipeline, worked on cryptography API, event sourcing web development, distributed hash table implementation.

Digitally Inspired

May 2018 — January 2019, Odesa, Ukraine

Scala Developer Engineer, event-sourced high-load back-end development, testing, CI/CD. Rewrite existing image hosting systems from Java and Oracle DB to Scala microservices and Kafka. 1M active users have been migrated.

subcontractor, NDA*

June 2017 — May 2018

Python Developer & Data Scientist, general AI/ ML research and R&D.

Haskell Developer, web developer, R&D engineer.

Kapowai

September 2016 — February 2017, Kyiv, Ukraine

iOS Developer, product, mobile banking development.

Kelecorix

March 2016 — August 2016, Kharkiv, Ukraine

Junior Haskell Developer. building web applications with Haskell.

DMD Binary

May 2015 — February 2016, Kharkiv, Ukraine

iOS Team Lead, leading iOS development team, building and organizing development process; estimations, task decomposition and assignment, code review, CI.



WegoWise

November 2013 — January 2015, Kharkiv, Ukraine. Ruby Developer. Advanced webpage scrapers, unit tests development.

Provectus IT, Inc

November 2012 — August 2013, Odesa, Ukraine

iOS Developer, iOS promo, and enterprise applications development.

iOS Developer, mobile banking applications development.

NIX Solutions

September 2010 — March 2011, Kharkiv, Ukraine

iOS Developer Trainee, Junior Software engineer for mobile platforms.

multiple iOS apps for various businesses.

SELECTED PROJECTS

- **KyrosId Authentication fintech service**
- OpenID-Connect, symmetric and asymmetric encryption implementation
- **GRIDA Proprietary blockchain**
- CI/CD, development processes, cryptography, R&D, web development, various roles
- **Photobucket Image hosting**
- Active user's data migration to Kafka, build fault-tolerant services, split particular logic from monolith apart, build mailing and logging subsystems, work on monitoring and CI.
- **Tenderoom Tender statistics service**
- Develop web nodes for statistics processing and appropriate web scrapers to collect data from several REST APIs.
- **Kapowai Mobile banking**
- Mobile banking app development (iOS), focused on security.

EDUCATION

- BSc, Computer Science (System Programming) at National University of Radio-Electronics Kharkiv, Ukraine
- Data Science major course, Data Science Ukraine
- Big Data Fundamentals course, QALight IT Academy
- Microservices architecture principles and implementation Course ITSimulator

