

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

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|---|---|
| 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 |



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| 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.



upstaff.com/profile/900-144-506-yurii-p-haskell-and-scala-engineer

plutus-smart-contracts-developer

Updated on: July 25, 2025

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

