

Hiring software engineer as easy as calling a taxi.

Volodymyr G. Rust/C++ Engineer

SUMMARY

- Experienced C++/Rust/Mobile/Scala Developer with a demonstrated history of working in the financial/media services industries.
- Skilled in C/C++, rust, Java, Mobile Applications, Python/Ruby, Haskell. Strong engineering professional graduated from Dnipropetrovs'kij Nacional'nij University.
- Intermediate English

SKILLS

Main Technical Skills	C++, Rust
Programming Languages	C, C#, Haskell, Java, Objective-C, Python, Ruby, Scala, Swift
Scala Frameworks and Libraries	Scala Cats
Databases & Management Systems / ORM	relational databases, SQLite
Virtualization, Containers and Orchestration	Docker
Message/Queue/Task Brokers	RabbitMQ
Operating Systems	Unix

EXPERIENCE

Senior Rust/C++ Developer, Phenix RTS Zürich

Jan 2022 – Present

Responsibilities: Developing and maintaining C++ cross-platform (iOS/Android/Linux) SDK providing media streaming functionality to mobile clients and back-end.

Main achievements in the company:

- Developed Mobile SDK Plugin for Unity
- Started development of new Rust SDK (yet experimental work)
- Implemented EdgeAuth lib for Rust



- Started rewriting some SDK components to Rust
- Fixing prod issues in C++ SDK
- Providing bug fixes, and problem analysis support to our mobile team integrating a Mobile SDK
- Added XCF & SPM support for iOS SDK

Scala Developer, Leonteq Zurich

Jan 2019 – Dec 2021

Responsibilities: Developing new and supporting existing Financial Structured Products.

Main achievements in the company:

- I have refactored our main configuration system named "A". Originally we had badly designed WebUI to manage configs and usually had prod issues related to inaccurate configs merges, absence of an audit, etc. Immediately after facing problems with it, I Russian recommended my direct manager to have a git as a source of data for our configuration system and for 3 days prepared a POC to demonstrate the benefits of having a git instead of WebUI. My POC was accepted by our developers and management and I refactored "A" which significantly speed up the development of new configs. Without my work, it would be not possible to deliver very important features in time for our partners so I brought significant value to a company.
- Second refactor we had this "A" system as an independent service, and we had kinda hundreds of remote calls to this service just to do one pricing. To reduce the load on the system I advised using "A" as a library instead of service and feeding all services with recent configs data each time when the configuration is changed using Rabbit MQ. This refactoring speed up pricing time up to 7 times which is critically important for the company since the pricing speed is almost proportional to the company's income.
- In our company we are developing a new framework named "Q" to set up the main company's product: financial "Structured Products" and I was given a kinda simple task of adding a new feature to this framework named "Schedule Overrides". After analyzing requirements and existing source code I prepared a list of necessary refactoring to be able to implement a given feature and improve the maintainability of a given framework. The main problem with the framework we had - it was deeply coupled with a lot of services and had tons of magic crutches just to make the framework work. So I built a new independent module to support all necessary features of Q and integrated it into our systems. And based on my framework all of our team - 6 developers were able to implement a new Structured product mainly just by changing "Q" product configs and without any Scala development. The cost of developing of new "Structured Product" using Q framework was reduced from a few months to a few weeks and later it should be even faster.
- During my coding work many legacy java codes were rewritten to Scala and covered by tests
- My hard work in the company was well appreciated by my manager and I was promoted by relocation to Zurich with a significant salary increase and good bonus and nominated for the "Director" title

Technologies: Scala (Main language), Java, Rabbit MQ, Cats, Monocle, C#, Python



Lead Rust/C++/Mobile developer, Grab Singapore

Jan 2017 — Jan 2019

Responsibilities: Leading and developing: Mobile application, security check SDK and test platform for mobile apps

Main achievements in the company:

- Refactored and built almost the whole "Driver iOS application" of Grab company (except UI components).
All further development work in the company was mainly based on libraries and modules I developed using my new unique mobile app architecture, we reached a very high level of crash-free application sessions, no memory leaks, and almost the absence of critical production bugs.
- Built cross-platform security check library for mobile platforms (iOS/Android) using "Rust" programming language.
- Worked on CI/CD platform for Mobile apps UI tests using Rust as back-end language.

Technologies: Swift, Java/Kotlin, C++, Rust

Lead Mobile developer, AppDaddy Moscow

Mar 2015 — Dec 2016

Responsibilities: Leading development and developing of AppDaddy mobile app (Android and iOS)

AppDaddy is a platform for popular bloggers to make money from advertise.

Technologies: Swift, Scala, Haskell

Lead Mobile developer, Wishdates (Dating app), Dnepropetrovsk

Sep 2012 — Mar 2015

Responsibilities: Leading development and developing of Wishdates dating app (Android and iOS)

Technologies: Objective-C/C, Swift, Scala

Lead iOS developer, Sitecore Dnepropetrovsk

Sep 2011 — Sep 2012

Leading development and developing of "Analytics" mobile applications for Sitecore. Developing Mobile Sitecore CMS

Technologies: Objective-C/C, XCode, sqlite

iOS Lead Developer, Thomson Reuters / Epam, Dnepropetrovsk

Nov 2009 — Aug 2011

Responsibilities: Leading development of "news feed" mobile application for Thomson Reuters. Mobile SDK for third party "Thomson Reuters" clients like J.P. Morgan

Technologies: C/C++, Objective-C, XCode



C/C++, C#, Java, Delphi, PHP Developer, ActForex, Dnepropetrovsk

Apr 2008 — Nov 2009

Responsibilities:

- Android trader client for ActForex platform
- C# Windows desktop trading client application
- Java and COM public API for clients of ActForex
- PHP/Java Bridge from Sugar CRM to ActForex platform
- Ruby on Rails web site

C/C++ Developer, AquaSoft Dnepropetrovsk

Jul 2007 — Apr 2008

Responsibilities: Developing I-Card Selector - browser plugin for authentication in the internet.

Technologies: Firefox, Safari and IE Plugins, C/C++, ActiveX, COM, TCP sockets

C/C++ Developer, ISD Dnepropetrovsk

Feb 2005 — Jul 2007

Responsibilities: Developing client & back-end applications for medical industry based in USA.

Technologies: C/C++, db_Vista, UNIX/windows, MFC, Active X, Corba, MKS (source control system)

EDUCATION

Computer science. Master, Dnipropetrovsk National University, Radio Physics Faculty. Dnepropetrovsk

Sep 2001 — Jun 2007

Master, DNU Dnipro

Sep 2001 — Jun 2007

Computer Science, Automated System faculty

Jul 2020 — Jul 2020

Jul 2020 — Jul 2020

COURSES

Foundations of Functional Programming in Scala,

<https://www.fp-tower.com/certificates/j1jhwvlebx>

The All-in-One Guide to C++20,

<https://www.educative.io/verify-certificate/mwo3kDtkLgMXEyGD1uLW5z3njEpVu8>

