



Kirilov Alexandr Vladimirovich

Senior iOS Developer (Objective-C(CPP/C)/Swift)
Senior Crossplatform Mobile Developer (Qt/QML/C++/C)
Senior Qt/QML UI/UX Developer or Designer
Senior Erlang/C Developer Blockchain Architect
Project Architect Technical Lead

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Experience

- ** iOS Developing: 7 years of production experience
- ** Qt/QML UI Developing: 10 years of production experience
- ** Qt/QML Mobile Developing: 7 years of production experience
- ** UI Design: +20 years of production experience
- ** Erlang Developing: 8 years of production experience (OTP, nonOTP (bridge), Yaws (mostly), Ranch)
- ** Blockchain: using blockchain at least 10 years (follow my articles https://github.com/ArboreusSystems/arboreus_articles/tree/master/blockchain) and it's only one tech from list that I am using for improving security (especially for developing mobile applications)
- ** High-Load: developed solutions for covering +35000 connections per second via HTTP/HTTPS REST API
- ** Big-Data: developed distributed solution for file cloud storage +7000Tb and 200Tb of data storage based on distributed implementation of Erlang pure DB - Mnesia. For the case of using in instant messaging been developing trigger system for AI for the case of automated reaction on events. Developed prototype of analyzer of data on pure Erlang within automated cluster actions based on pure Erlang and Bash under Jenkins.
- ** Data-Science: developed trigger system for AI based on Erlang and events
- ** Security: developing full server side and architectural solution for Secured Instant Messaging for HIPAA Compliance requirements (USA Healthcare). Developed prototype of application that using Telegram-like level of security for session data exchange.
- ** Clusters/Network: architectural solutions for organizing secured cluster for Big-Data located in different data centers across the world (technical stack: Ansible, Jenkins, Escript, Bash and C)
- ** Developers environment (especially organized for remote developing processes): experienced on organizing developers environment from scratch (Git/Jenkins/FreeBSD/Sendmail/etc - a lot of staff)
- ** Management: +10 years organising process of remote developing the very new things where 80% is result of research, using mix of Spiral and Project management (PMBOK) schemas because of RnD issues mostly, but might be adopted for Agile (Agile not the best solution for developing something new)
- ** Teaching: 4 years of lecturing in one of Russian University (two of my student after year with half of my lectures got Zend PHP Certified Engineer status but any kind of developing on PHP canceled because of Erlang and C++/C)

Technology stack

- ** Server Side: pure Erlang and C/C++ for developing NIF/PORTS for Erlang
- ** Cross-Platform Mobile Client: Qt/QML Cross-platform (iOS, Android, Windows, Linux-family)
- ** iOS Mobile Clients: Objective-C (primarily)/Swift
- ** IoT Clients (experimental): Erlang/C for controllers and Qt/QML for application under UI
- ** System Administrating (big-data/high-load): pure Erlang/C, Bash, Ansible, Jenkins on FreeBSD (preferably)
- ** Developers/Deploy environment: pure Erlang/C, Bash, Ansible, Jenkins, Git for servers and based on Qt build machine on MacOS because of cross-platform.
- ** DB Engines: last 6 years using only noSQL DB (mostly pure Erlang DB - Mnesia)

All other language developing stopped. I do not using anything but that mentioned above. It's not dogma it's specialisation.