Ivan Krechetov

https://ikr.su
CH-8404 Winterthur
+41 79 697 02 75
ikr@ikr.su

Objective

Solve practical problems with well-crafted software that *actually works.* Can fill a tech lead or senior software engineer position. Up to a certain size, can take the full responsibility for a project, directly communicating with the customer, and delegating tasks in the team. Particularly excited about the functional programming techniques and advanced type systems.

Experience

08/2018 — today

Senior software engineer at Digitalparking AG | Zurich

"Full-stack" Web applications development in the domain of on-/off-street car parking: Parkingpay.ch and other mobile & desktop apps. The built system is used by 100K+ drivers, parking zone operators, controllers.

Tech: Kotlin, Java, PostgreSQL/jOOQ, TypeScript, React.

10/2006 — 07/2018

Tech lead at XIAG AG | Zurich, Winterthur

Accomplishments

- Led a successful 2 man-year full rewrite, after the first full rewrite attempt with another vendor has failed.

- Changed an app architecture for higher performance, resulting in an implementation that was mistaken on a board meeting for a static prototype, because of how fast it responded.
- Drove the adoption of better practices and tools, like test-driven development, code reviews, static analysis and linting, continuous integration, PHP → Node.js, jQuery → React/Redux, Underscore.js → Ramda, app configuration automation with SaltStack and Vagrant, CVS → Subversion → Git.

Notable projects

- SwissHotels.com with dozens of specialized partner sites
- Trade.stc.ch — b2b hotel booking
- Ostjob.ch with a few forks
- MS Windows-native digital photo prints ordering software for ifolor

Tech stacks: JavaScript, React/Redux, Elm, Angular, Node.js, PHP, Silex, Zend Framework, Nginx, PostgreSQL, Redis, CouchDB, Sphinx search, Linux, SaltStack SCM, C++ on Win32, WTL/ATL, GDI+

10/2003 — 09/2005

Managing director at XIAG AG | Novosibirsk

Learned about hiring programmers, acquired some diplomacy skills

04/2002 — 09/2003

Programmer at Center of Financial Technologies | Novosibirsk

Working on internal banking platform development tools, was rewarded twice with an out-of-cycle bonus for significantly improving the user experience

Tech: Oracle, Visual Basic 6, C++ on Win32, COM

10/2001 — 03/2002

Programmer at iNetLab | Novosibirsk

Learned about the domain of seismic geophysics and interfacing with Fortran code

Tech: Java with Java2D and Swing, C++ on Win32, Visual Basic 5

10/2000 — 09/2001

Programmer at Auktion24 Development | Novosibirsk

The company which developed the 1st version of ricardo.ch. After the Ricardo part had been sold, and the new product WeTellYou.com (global expert exchange platform with billing and telephony) had failed to grow, almost all engineers (about 60) were fired. Was among the few who were asked to stay to "keep the lights on".

Tech: Java, Linux, Apache JServ, XSLT, Oracle, Java RMI

03/2000 — 09/2000

Junior Programmer at Glance AG | Zurich

Building a data model editor and code generator, on an own initiative implemented an unlimited undo/redo feature. It was the first app in the company providing such capability.

Tech: C++, Win32, MFC, Oracle

Education

10/2005 — 10/2006

PhD assotiate at University of Twente | Enschede

Research topic: Aspect-oriented software architecture design. Quit the program, changed to industry work.

2001 — 2003

MSc in Applied Mathematics and Informatics at Novosibirsk State University

Graduated with honors

1996 — 2001

BSc in Mathematics at Novosibirsk State University

Graduated with honors, 100% excellent grades — one of the top 2% of students

Skills

Technology	Approx. years of exposure	Fluency at the moment
AngularJS	2	○
Bash	10	○ ○
C	2	○
C++	6	○ ○ ○ ○
CSS	6	○ ○
Clojure	1	○ ○
CouchDB	3	○ ○ ○
Elm	1	○ ○
Functional JavaScript, TypeScript	5	○ ○ ○ ○ ○
Java	6	○ ○ ○
Kotlin	1	○ ○ ○ ○
Node.js	5	○ ○ ○
Oracle	3	○
PHP	10	○ ○ ○
PostgreSQL	11	○ ○ ○
Program design — OOP, FP	15	○ ○ ○ ○ ○
Python	2	○ ○ ○
React/Redux	4	○ ○ ○ ○
Redis	3	○ ○ ○
SaltStack	5	○ ○ ○
Test-driven development	9	○ ○ ○ ○ ○
Visual Basic	2	○

Spoken languages

Russian: native
English: fluent
German: about C1 de facto, B1 certified in 2013

23 May 2019