

Ivan Krechetov

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Objective

Solve practical problems with well-crafted software that *actually works*. Fill a Tech Lead or a Senior Software Engineer position. Up to a certain size, can take full responsibility for a project, directly communicating with the customer, and coordinating the team work. Particularly excited about functional programming and advanced type systems.

Experience

04/2020–now SIX Digital Exchange, Zurich

Senior Software Engineer. Contribute to the Central Securities Depository subsystem; integrate with SWIFT, enable sanction screening capabilities, maintain the core data service. Re-implement relevant Corda API for a shorter development feedback loop. Build a scalable event-sourced actor-based financial infrastructure applications platform. Implement an OpenAPI Spec client code generator.

Tech: Scala Akka Clojure GraphQL XTDB/Datalog Kotlin OpenShift/AKS Kubernetes Corda.

08/2018–03/2020 Digitalparking, Dietikon

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

Tech: Kotlin Java jOOQ/PostgreSQL TypeScript React.

10/2006–07/2018 XIAG, Zurich/Winterthur

Tech Lead. End-to-end planning, implementation, and maintenance of custom software systems by an autonomous dev team. Most significant projects:

- *SwissHotels.com* + 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 AG*

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

10/2003–09/2005 XIAG, Novosibirsk

Managing director. Run the offshore development center of XIAG AG in Russia. Estimate projects, prepare technical specifications, coordinate the resources, ensure the delivery, hire programmers.

04/2002–09/2003 Center of Financial Technologies, Novosibirsk

Programmer. Work on the application development tools for a company’s own banking platform. Improve user experience, speed up routine tasks.

Tech: Oracle Visual-Basic-6 C++/Win32 COM

10/2001–03/2002 iNetLab, Novosibirsk

Programmer. Build a model editor in the domain of seismic geophysics. Maintain other small applications.

Tech: Java Java2D/Swing C++/Win32 Visual-Basic-5

10/2000–09/2001 Auktion24, Novosibirsk

Programmer. Take part in building *WeTellYou.com*, a global expert exchange platform with billing and telephony.

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

03/2000–09/2000 Glance, Zurich

Junior Programmer. Build a data model editor & code generator for a company’s own ORM; implement an unlimited undo/redo capability. Also maintain an insurance line of business application.

Tech: C++ Win32 MFC Oracle

Education

10/2005–10/2006 University of Twente, Enschede

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

2001–2003 Novosibirsk State University

MSc in Applied Mathematics and Informatics. Graduated with honors.

1996–2001 Novosibirsk State University

BSc in Mathematics. Graduated with honors, all “excellent” – top 2% of students.

Personal info

Citizenship	Swiss
Languages	English (fluent), Russian (native), German (~C1 de facto, B1 in 2013)
Relevant hobby	Competitive programming in C++ and Rust