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02 May 2018

Objective

Solve practical problems with well-crafted software that *actually works.* Will 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

- 10/2006 — today | Tech lead at XIAG AG (Zurich, Winterthur)

  Accomplishments: Made a customer's board of directors think an app was a static prototype because of how fast it responded. Led a successful 2 man-year full rewrite, after the first full rewrite attempt with another vendor has failed spectacularly. 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, dozens of specialized partner sites, Trade.stc.ch — b2b hotel booking, Ostjob.ch, 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 | Project manager at XIAG AG (Novosibirsk)

  Learned quite a bit about hiring programmers and resolving conflicts. Realized I'd rather not be a manager.

- 04/2002 — 09/2003 | Programmer at Center of Financial Technologies (Novosibirsk)

  Working on internal platform development tools, was rewarded twice for significantly improving the user experience.

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

- 10/2001 — 03/2002 | Programmer at iNetLab (Novosibirsk)

  Learned a bit about 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 very 1st version of ricardo.ch. After the Ricardo part had been sold, and the other product had failed to grow, almost all engineers (about 60) were fired. I 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 my own initiative baked in an unlimited undo/redo feature. It was the first app in the company ever doing that.

  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