

Curriculum Vitae

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Experience

I was born in 1979 and graduated from grammar school in 1998. I left college (I studied physics and meteorology and enjoyed it very much) after the first semester in 1998 to work full-time at an ISP.

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| 1998 | I helped maintain a small ISP for Student organization of Ljubljana from 1998 until 2002, |
| 1999 | learning about networking technologies and classic Unix servers, based on FreeBSD and |
| 2000 | Linux. I learned to use Python, PHP and C++. |
| 2001 | I worked as a developer for Voljatel Telekomunikacije, an ISP in Ljubljana, from 2002 |
| 2002 | until 2004, programming in PHP, Python and Java, learning about Oracle 9i and |
| 2003 | integrating various services using mostly C++. |
| 2004 | I started a company with a friend in 2004, but split the company in two 6 months later. I |
| 2005 | worked as a hosting solutions provider, systems administrator and developer for various |
| 2006 | clients. I continued doing system administration, development (mostly Python and Java) |
| 2007 | and consulting until 2006, when my company was bought by Microgramm, a company |
| 2008 | building a Linux-based point-of-sale software, where I developed a Java and PL/pgSQL |
| 2009 | based asynchronous replication solution for their software. |
| 2010 | In 2008 I left Microgramm for Zemanta, a local startup building a semantic language |
| 2011 | analysis API and a blogging assistant based on the API. I was a system administrator, but |
| 2012 | filled various (mostly Python and Django based) development roles as well, and also |
| 2013 | restarted my own companies. |
| 2014 | At Zemanta we started practicing SCRUM, I learned about DevOps and eventually |
| 2015 | started implementing infrastructure as code, significantly changing the way I work in my |
| | own enterprises as well. |
| | I started using Go in 2014 and left Zemanta in 2015. I started part-time work for Eldarion |
| | where I'm helping to build their second generation Kubernetes and GCE based platform- |
| | as-a-service called Gondor. Eldarion offers it to end-users and also uses it to build |
| | websites for its customers. I mostly write Python and Go. |

I've had a partner since 1999 and a couple of kids since 2008, I ride bicycles, play bass guitar and walk the dog to keep fit and sane. I love to build and tinker: I repair washing machines, I build model airplanes and know how to program an Arduino to e-mail people there's water in their basement.

Knowledge

Languages (Human)

I fluently speak English (and Slovenian). I'm slow when speaking German, Serbian and Croatian and can speak some rudimentary French and Russian and love learning new languages, but lack the time.

Languages (Programming)

I'm capable of writing decent Python, Go and Java. I'm fascinated by Haskell, Erlang and Lisp, but have never used them to solve real-world problems. I try to avoid C, C++ and PHP, but quite often end up using them. I also learned Logo and Pascal in primary school.

Networking

I have an in-depth understanding of Internet (IPv4 and IPv6) based networks and technologies and have gotten my hands dirty with Ethernet and know a little about Wi-Fi. I know most current mainstream application protocols, know how to read the RFCs and know my way around tcpdump, netcat, nmap, snort and other tools one needs to diagnose problems and secure a network. I know how to build and maintain Linux-based routers and netfilter firewalls and know my way around Cisco's command-line interface.

Operating Systems

I've been a Linux user since installing Slackware in 1994 and used to have a good understanding of how the kernel worked in 2.0 series. I also used Solaris, various BSD flavours including OS X and also know how to handle Windows.

Software Development

I prefer open source software and am happy to contribute patches. I mostly use Vim and Atom for coding Python and Go, I've used IntelliJ Idea for Java development and can use Eclipse. I've been using git ever since abandoning Subversion. I also know Mercurial and have also used CVS in the old days. I know how to use debuggers and profilers and learned the basics of machine-code programming on a Commodore 64.

Publications and Talks (list not exhaustive)

1. Allocating Dataflow Programs to Hexagonal Processor Arrays, research paper and simulator, March 1995
2. Task Scheduling in Parallel Computers, research paper on dataflow optimization algorithms, March 1996
3. Samba 2.0, published in Moj Mikro computer magazine, April 1999
4. Linux as a small business server, a talk at LiFE2 Linux event in Maribor, April 1999
5. Linux Everest, a talk about free software at LiFE3 Linux event in Portorož, July 1999
6. Dial-up connections, a talk at LiFE4 Linux event in Škofja Loka, November 1999
7. The Power of Command Line, a talk at Abort 2000 event in Ljubljana, November 2000
8. SQL, a short introductory talk, at a public lecture space in Piran, August 2001
9. Python, a short introductory talk, at a public lecture space in Piran, August 2001
10. Python, continued, at a public lecture space in Piran, August 2001
11. Python, a talk at INFOS 2001 event in Ljubljana, October 2001
12. MySQL, a talk at INFOS 2001 event in Ljubljana, October 2001
13. Pyortal, a talk about a home-grown Python based web framework, LiFE9 in Ljubljana, July 2002
14. Computer Security, a talk about vulnerabilities in code at LiFE11 event in Ljubljana, January 2005
15. E-mail System, article in Monitor magazine, February 2005
16. Linux Server, article in Monitor magazine, March 2005
17. Software Patents, a talk at Eureka event in Ljubljana, June 2005
18. PHP Security, a talk in Kiberpipa, Ljubljana, October 2005
19. SSL/TLS, a talk about encryption in Kiberpipa, Ljubljana, November 2005
20. Printing on the Web Without CSS, a talk on ReportLab PDF library in Kiberpipa, Ljubljana, May 2006
21. OpenVPN, a talk in Kiberpipa, Ljubljana, March 2007
22. Bird Perspective, a talk on camera-equipped model airplanes in Kiberpipa, Ljubljana, May 2007
23. State of Multimedia on Linux, a talk in Kiberpipa, Ljubljana, September 2010
24. Video for the Road, bicycle commutes and computer vision in Kiberpipa, Ljubljana, March 2012
25. Next Generation File Systems, a talk on copy-on-write file systems on DevOpsDays in Ljubljana, April 2014
26. Does Our Hardware Even Exist?, a talk on cultural resistance to DevOps-based changes, on DevOpsDays in Ljubljana, April 2015
27. Big Data, an introductory workshop to big data technologies at Telekom Slovenije, June-July 2015
28. Django Girls, coaching a team of programming rookies to build a Django-based web application, October 2015

Patches (list not exhaustive)

1. MoinMoin 1.2.3 patch for undeclared exception, July 2004
2. Logging configuration fix in Python 3.5 release, September 2015