Motiejus Jakštys

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Interested in: **Software development, service reliability and automation engineering**

Work experience

- **9/2011–now:** University of Glasgow Students' Representative Council (SRC). Systems engineer. Responsibilities: enhancing server and networking infrastructure. Working on storage cluster and configuration automation for Xen VMs using Chef. Technologies: Xen, Chef, Debian.
- **7/2011–3/2012:** Mano Numeris, UAB. Erlang software engineer. Business process' implementation in Erlang. Key requirements: correctness and data integrity. Skills: producing high quality, well documented and tested code. Advanced testing techniques. Technologies: Erlang and tools.
- **8/2010–11/2011:** Idiles Systems, UAB. Python web developer and CTO. Lead developer of 4-5 developers team. Responsibilities: making decisions about system architecture. I was the one handing exceptional situations: interesting deployment scenarios, data migrations, server crashes... Major work on BeFluentIn and LiveOpenly. Technologies: Pylons, Django, PostgreSQL, Javascript, GIT.
- **7/2009–9/2010:** Jocom, UAB. Lithuanian based company doing GSM termination. Core systems developer and systems administrator. Implemented virtualization solution in Xen (and switched to KVM later). Exotic distributed gateway network implementation and administration built on customized OpenWRT. Designed and implemented SoundPatty and used with our VoIP PBX.
- **2007–2009:** HealthyComp, Inc. Search engine optimization engine (PHP, Django).

Programming

- **Python, Django:** since 2008. Websites and other programming (confident.lt, django-webtopay, ...).
- **Erlang (PropEr, mochiweb, mnesia, ...):** since 2011: at Mano Numeris.
- **C++:** Olympiads in Informatics in 2004-2008. 2009–2011: SoundPatty.
- **Javascript, jQuery, HTML, CSS...** various web development projects since 2005.
- **Java:** since 2007. Created distributed ryanair crawler (on top of Selenium 2), university projects.
- **Android:** since 2011: Mobile Software Engineering projects. Iodine front-end for Android.
- **C:** hobby Linux system programming (cat and mouse game with university cluster administrators).
- **Ruby on Rails** (trool.org), **Perl** (AMI library and some proprietary Nagios plugins).
- **GIT:** since 2008. Really like this tool and educate others to use it.
- **Test driven development.** I encourage tests-first development.
- High Interest in software verifiability and redundancy in scalable and unreliable environments.

Systems

- **Linux:** since 2006. Very good at Debian, very familiar with Gentoo and OpenWRT.
- **Xen, KVM, libvirt:** JOCOM and SRC. Work on automatic deployment.
- **Networking knowledge:** ipv4/ipv6 routing, IEEE 802.1Q, iptables, xtables, openvpn, bridging...
- **Chef:** since late 2011. Migrating to Chef-based infrastructure in SRC.
- **Asterisk** 1.2, 1.6. Configuration and real-time sound recognition application integration via JACK.
- **MySQL, PostgreSQL, CouchDB:** from 2005, for all database needs.
- Interested in automatic deployment, monitoring and self-recovering systems.

Education

- **2010–2013:** University of Glasgow, BSc of Mobile Software Engineering. Faster route.
- **2009–2010:** Vilnius University, Financial and Actuarial Mathematics (unfinished)
- **2004–2008:** Vilnius Lyceum.

Olympiads, competitions

- 2008 2nd place in prof. J. Matulionis Junior mathematicians' competition.
- 2008 2nd place Junior mathematicians' competition in Šiauliai university.
- 2004, 2005 1'st place in Lithuania Olympiad in Informatics (Pascal).

Languages

Lithuanian: mother tongue, English: fluent, German: good, Russian: beginner.

Personal qualities

I am more than happy to take a task and give it back once it's complete. I work alone easily and learn rapidly. I am considered being responsible, disciplined, well organized. *I love what I do.*

Hobbies

I enjoy being in nature; I often participate and organize hiking, cycling and hitch-hiking 2-5 day trips. Also orienteering sports. Lithuania ski orienteering champion in 2007.

Driving

Categories A and B

Recommendations (contacts available upon request)

Gavin Reynolds — Employer at University of Glasgow Students' Representative Council

Bronius Skūpas — Leader of Technical committee of International and Lithuanian Olympiads in Informatics.

For latest CV, see: http://m.jakstys.lt/