

Motiejus Jakštys

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Desired employment:

Programmer / Systems engineer

Work experience

- **7/2011–now:** Mano Numeris, UAB (Erliste software). Erlang software engineer. Skills: distributed computing, data integrity being the first requirement. Technologies: Erlang and tools.
- **9/2011–now:** University of Glasgow Students' Representative Council. Role: Systems engineer. Responsibilities: refining server and networking infrastructure. Working on storage cluster for Xen virtual machines. Focuses: automatic provisioning and failure recoveries.
- **8/2010–11/2011:** Idiles Systems, UAB. Python web developer and CTO. Role: programming and leading 4-6 developers team. Main responsibilities: making decisions about system architecture. Programming. Technical team support (feature regressions, failed migrations, crash handling). Deploying production servers. Major work with these websites: [BeFluentIn](#), [LiveOpenly](#). Technologies: Django, Pylons, PostgreSQL, Javascript, GIT.
- **7/2009–9/2010:** Jocom, UAB. Lithuanian based company doing GSM termination. Core systems developer and system administrator. Technologies: Linux (Debian, CentOS), FreeBSD, HA MySQL, virtualization solution in Xen and KVM deployment with FreeBSD ZFS-based SAN. Exotic distributed gateway network administration built on customized OpenWRT and OpenVPN. Designed and implemented [SoundPatty](#) (C++) to recognize IVR for Asterisk VoIP platform.
- **2007–2009:** HealthyComp, Inc. SEO (search engine optimization) spam engine (PHP, Django).

Programming languages, technologies

- **Python (Django, Pylons, SQLAlchemy, Genshi, Mako, ...):** from 2008, using actively.
- **Erlang (PropEr, meck, mochiweb, mnesia, ...):** from 2011. Current employer.
- **Perl:** 2009-2010. [Asterisk AML library](#), system administration.
- **C++:** Olympiads from 2004. 2009-2011: SoundPatty (sound recognition application).
- **Java:** scalable [ryanair crawler](#) based on Selenium 2.
- **PHP, Smarty:** 2004-2010. Web programming.
- **JavaScript (jQuery), CSS, (x)HTML, REST, SOAP, MySQL, PostgreSQL:** from 2005. Using actively for web programming.
- **FreeBSD, Linux. Various servers and services, deployment scripts:** from 2006. Heavily used for servers and desktops. Passionate about open-source.
- **Good HTTP and low level networking knowledge:** IEEE 802.1Q, routing, DNS, firewalls (iptables), tcp/ip, ipv6 routing. Network related work since 2007.
- **Server virtualization (VirtualBox, Xen, KVM via libvirt):** Xen based server farm solution in JOCOM (later migrated to KVM).
- **Chef** for server configuration management. Recently started applying to my provisioned servers.
- **Asterisk 1.2, 1.6** (with sound recognition via JACK). 2009 onwards: **Nagios, SVN, GIT.**
- **Test driven development.** I encourage tests-first development.

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 1st 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 am a member of technical committee in Lithuania Informatics Olympiad since 2010. I travel a lot, usually hitch-hiking (hitch-hiked >10 000 km). I love being in nature; I often participate and organize hiking, cycling and skiing 2-5 day trips.

Other skills

Orienteering sports. Lithuania ski orienteering champion in 2007.

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.