# Motiejus Jakštys

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**Desired employment:**      **Programmer / Systems engineer**

**Work experience**

- **7/2011–now:** Mano Numeris, UAB (Erlstate 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. Systems engineer. Responsibilities: Enhancing server and networking infrastructure. Working on storage cluster and configuration automation for Xen VMs. 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 AMI library, system administration.
- **C++:** Olympiads from 2004. 2009-2011: SoundPatty (sound recognition application).
- **Java:** scalable ryanair crawler based on Selenium 2. **Android** projects at university (get2gether).
- **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.
- **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 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 license**      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.