

# Motiejus Jakštys

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

## Work experience

- **9/2012–now: Spil Games, Netherlands.** Back-end systems development. Design and implementation of game logic middleware (in Erlang and Lua). Spil websites handle 170+ million unique visits per month, and implemented components have to be designed to scale well above that.
- **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. Major work on [BeFluentIn](#) and [LiveOpenly](#).
- **7/2009–9/2010: Jocom, UAB.** Lithuanian based company doing GSM termination. Core systems developer and systems administrator. Implemented virtualization solution in Xen. Exotic distributed gateway network implementation and administration built on customized OpenWRT.
- **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 7/2011: at Mano Numeris and Spil Games.
- **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, Lua:** in Spil Games. Implemented [Erlualib](#) for low-level Erlang-Lua-C communication.
- **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 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:** IP routing, IEEE 802.1Q, iptables, xtables, general network knowledge.
- **Chef:** since late 2011. Migrating to Chef-based infrastructure in SRC.
- **Asterisk 1.2, 1.6.** With real-time sound recognition application integration via JACK.
- **MySQL, PostgreSQL, Mnesia:** 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 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 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.