

JASON MICHALSKI
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SOFTWARE DEVELOPMENT EXPERIENCE

Software Engineer — Dropbox, San Francisco, CA	2014 - PRESENT
Software Engineer — Zulip, Cambridge, MA	2014 - 2014
Lead Software Engineer — Rue La La, Boston, MA	2012 - 2013
<ul style="list-style-type: none">• Design, implement and test a read/write routing layer with Nginx and Lua that serves 50,000 requests per second and accepts 200 orders per minute• Build a RESTful API framework using the Django ORM optimised for retrieving large object graphs and multi-user updates with ETag-based concurrency control; supports elasticsearch as a denormalized data store to provide 100-megabyte results in under 3 seconds• Laid the foundation for an AngularJS application used by development team to build a custom CMS; built services binding RESTful APIs to JavaScript objects, directives, and filters• Created a Django forms extension and jQuery plugin to allow DRY client and server side error messaging using HTML5 form validation	
Senior Software Engineer — Hostway Corporation, Chicago, IL	2006 - 2012
<ul style="list-style-type: none">• Maintained and extended a message-based workflow system with Python, WebSphere MQ, and DB2, used to process 3.2 million provisioning actions a year• Designed a reference implementation of a RESTful API server using Pyramid with standards for hypermedia use that became a company standard• Enhanced and maintained existing custom ORM by revamping connection pooling, improving transaction handling, and refactoring the API resulting in 150,000 fewer source lines of code	
Web Application Developer — Dinn Brothers Trophies, West Springfield, MA	2002-2006
<ul style="list-style-type: none">• Maintained a custom Zope Web store handling 2500 visitors and 250 orders daily	
Developer, IT Support — M'PINGO Multimedia, Holyoke, MA	2000-2002

EDUCATION

Bachelor of Science, Computer Science — University of Massachusetts – Amherst, MA 2005

PROFESSIONAL DEVELOPMENT

- Original author of pyTivo, a reverse-engineered Tivo media server and the first with on demand video transcoding
- Co-Organizer of the Boston Python User Group

PROFICIENCIES

Languages

Python, JavaScript, Lua, C, Java

Databases

PostgreSQL, MySQL, Redis, DB2, MongoDB

SCM

Git, Perforce, Subversion

Networking

DNS, HTTP, IMAP, IP, POP, SMTP, TCP, UDP, tcpdump

Frameworks

Django, AngularJS, Pyramid

Systems

Linux, Nginx, Apache, Fabric, grunt, syslog, daemontools, qmail