

JASON MICHALSKI
333 Main Street #6G, San Francisco, CA 94105
☎ 773-474-0453 ✉ armooo@armooo.net

EXPERIENCE

Staff Software Engineer — Dropbox	San Francisco, CA	2014 - PRESENT
<ul style="list-style-type: none">• Defined the strategy for migrating to Python3, setting a new standard for Product Platform run migrations; led a dedicated team to perform the migration of all Python ensuring no impact on product team velocity• Embedded in teams to encapsulate common user, team, and subscription functionality into gRPC services; contributed to API design, best practices for running services reliability, and migrating the long tail of callers; this unlocks reuse by new products and acquisitions• Set multi-year CI vision to filter runs by user intent, yielding faster results at the same cost; projects include limiting pre-commit tests, rate limited post-commit builds with automated reverts, and the ability to run tests pre-deployment• Built tools and processes that enable teams to safely migrate database tables from unsharded MySQL to a distributed database, resulting in removing 90% of QPS from the unsharded databases in the first six months and completing the migration the following year• Moved local development environments from vagrant and puppet to container images resulting in 70% reduction in first setup time and resolution of persistent errors• Created an application-level write-ahead log to support group-based sharing across non-transactional data stores; advised on implementation to support adjacent product needs		
Software Engineer — Zulip	Cambridge, MA	2014 - 2014
<ul style="list-style-type: none">• Automated API credential creation and improved public documentation to simplify onboarding to third-party integrations• Built tools to convert Android's Apache 2 licensed emoji font to PNGs for web use before company acquisition by Dropbox		
Lead Software Engineer — Rue La La	Boston, MA	2012 - 2014
<ul style="list-style-type: none">• Designed, implemented, and tested read/write routing layer with nginx and Lua, serving 50,000 requests per second and accepting 200 orders per minute• Built a RESTful API framework optimized for retrieving large object graphs and multi-user updates; supports 100-megabyte results in under 3 seconds		
Senior Software Engineer — Hostway Corporation	Chicago, IL	2006 - 2012
<ul style="list-style-type: none">• Took the technical lead on biweekly sprint planning meetings, enforced best practices in team code reviews, and contributed in cross-team architecture meetings		
Web Application Developer — Dinn Brothers Trophies West Springfield, MA		2002-2006
Developer, IT Support — M'PINGO Multimedia Holyoke, MA		2000-2002

EDUCATION

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

PROFICIENCIES

Languages

Python, Go, Lua, JavaScript, Java C

Databases

PostgreSQL, MySQL, Redis

Networking

DNS, HTTP, IP, TCP, UDP,
tcpdump

Frameworks

Flask, Django, gRPC

Systems

Linux, Envoy, nginx, Apache