

NATHAN OSTGARD

Mobile: +1 (541) 505-2566

Email: nostgard@gmail.com

Website: <https://nathanostgard.com>

PROFESSIONAL EXPERIENCE

Upsight/PlayHaven (Sept 2012 – Present)

Mobile app engagement and monetization. Technologies: *Python, Gevent, Go, MySQL, C/C++, Java, Hive, HDFS, JavaScript, Docker, Vagrant, Salt, Amazon Web Services.*

- Led a team developing core backend tools and services for high volume analytics, content targeting, and delivery, primarily in Python and Go
- Developed an XRP ETL service using Go
- Developed an Apache Flume interceptor to load ETL output from Kafka into HDFS, to replace usage of Camus
- Migrated Python stack from Python 2 to 3 without disruptions for development
- Developed tools to provision an ephemeral dev environment network in EC2, and built tools to support local development using Docker
- Aggregation and reporting on large volume metrics
- Served as technical architect at PlayHaven

GameClay (Jan 2011 - Sept 2012)

Flash and mobile game development. Technologies: *Ruby, Sinatra, MySQL, JavaScript, HTML/CSS, ActionScript, Haxe, FlashPunk, Unity, C, Objective C, C#*

- Created a social backend in Ruby and an HTML5 UI for mobile games
- Developed collision and pathfinding library for 2D games
- Game design and development (Flash, iOS, and Unity)

InstantAction/GarageGames (Jan 2008 – Nov 2010)

Browser based multiplayer gaming portal. Technologies: *Python, Twisted, JavaScript, HTML/CSS, MySQL, XMPP, C/C++, ActionScript, PHP, Ruby, Sinatra*

- Managed a crossfunctional engineering team
- Maintained a Python back-end in Twisted (with APIs exposed over both REST and XMPP)
- Developed JavaScript front-end to control games running out-of-process from the browser, via a native plugin
- Developed solution to embed games in whitelisted external sites
- Assisted game developers with C/C++ integrations

Yellow Pages Nationwide (2003 – Jan 2008)

Network of online yellow page directories, pivoted from 3JM. Technologies: *MySQL, Ruby, Ruby on Rails, Python, Django, PHP, JavaScript, HTML/CSS, C/C++, Authorize.net, PayPal*

- Led a team of developers coordinating on development of a large network of sites.
- Lead developer and sole ops for large yellow page network, using both PHP and Ruby on Rails
- Advertiser dashboard and backend, including custom secure credit card storage and processing infrastructure to handle re-billing, supporting both Authorize.net and PayPal IPN for payment processing
- High performance keyword search against a 30 million row database with very limited server resources
- Dynamic PDF generation from inventory

3JM (1999 – 2003)

Advertising and web design firm. Technologies: *HTML/CSS, JavaScript, PHP, Flash, ActionScript, C/C++, ASP, MySQL, Perl, Java, Photoshop, Illustrator, Quark Xpress*

- Developed numerous custom solutions for customers across a wide-range of technologies.