



Jacob Budin

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ACADEMIC

Pennsylvania State University (Schreyer Honors College), 2006-2010

Graduated with Bachelor's in English (high distinction) and Marketing (high distinction)

- Cumulative GPA: 3.91/4.00
- Phi Beta Kappa inductee

EMPLOYMENT

Development manager, Kettle, 2014-

Technical engineer, Kettle, 2011-2014

Chief developer for many Web sites and apps including those for Brooklyn Bridge Park, New Museum, MAC Cosmetics, Sesame Street, and Sunglass Hut, and the iOS and Android mobile apps for Mad Libs, as well as management of many others

- Managed developer hiring, performance reviews, and code reviews
- Presented technical briefs during client pitches and acted as key client facilitator
- Led architectural decisions including database schema generation, tool selection, package vetting; and generating supporting documents like UML diagrams
- Delegated to and oversaw front-end, back-end, mobile, and auxiliary staff
- Built in-house developer environment ecosystem using virtual machines, automated provisioning, centralized error handling
- Go-to developer for odd, challenging tasks from font encryption to concurrent cloud storage transfers
- Developed systems for: CDN deployment, simplified SSH access, Web crawling

Sole proprietor and developer, Budin Ltd., 2010-2012

- **Alkaline** (alkalineapp.com) — self-hosted PHP CMS for creative professionals and businesses; features include: related item detection, templating engine, extension engine, automatic palette generation, Sphinx search integration

PROJECTS

Feed NYC — a Web app, REST API for soup kitchens in Python, won Reinvent 311 Hackathon
Sidebites NYC (previously in the iTunes App Store) — a sidewalk café app for iOS in Objective-C
PlistParser (github.com/jacobbudin) — an XML Property List (.plist) parser in CoffeeScript
Trnsmit (trnsmit.com) — an in-browser iTunes playlist converter for Rdio in CoffeeScript

KNOWLEDGE

Primary programming languages: JavaScript/CoffeeScript, PHP, Python, SQL; plus HTML, CSS

- Frameworks: AngularJS, jQuery, Titanium; Lithium, Symfony; Django, Flask

Secondary programming languages: Go, Java, Objective-C (iOS), Swift (iOS)

System administration tools: Salt, Vagrant, VirtualBox

Version control systems: Git, Subversion

HTTP servers: Apache, Nginx (with FastCGI and WSGI stacks)

Application servers: PHP-FPM (PHP); Unicorn, UWSGI (Python)

Relational database systems: MySQL (and MariaDB fork), SQLite, PostgreSQL

Search platforms: Sphinx, Whoosh

Key-value stores: Memcached, Redis

Cloud platforms: Amazon Web Services (AWS) (EC2, Elastic Beanstalk, Route 53, S3, and more)