Michael Van Veen

Current Location

Encinitas, CA 92024

Contact Information

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Experience

Software Engineer, Zest Finance   July 2017 - Present

Software engineer supporting loan assessment infrastructure. Start date is July 31st, 2017

Software Engineering Consultant, Self-Employed   Feb 2016 - July 2017

Currently offering full-stack software engineering consulting services.
Current / Previous projects include:

- **Terranodo**, Python/GIS software consultant. Implemented new features on Django application, debugged existing celery queue, worked on Docker/Jenkins continuous integration pipeline.

- **Growthbot.io**, Principal engineer. Built out Slack bot SaaS product MVP using Flask, SQLAlchemy, Celery, PostgreSQL and Redis. Worked directly with CEO from early ideation and managed design and engineering resources. Managed engineering resource implementing front-end buit in React Redux.

- **Fight For the Future**, Full-stack software consultant. Building out a video recording widget for the July 12th Battle for the Net day of action around net neutrality. Leveraging Ziggeo API for video recording and playback functionality. Backend is written using Flask, Celery, Redis and RabbitMQ. Front-end is written using Bootstrap3 and jQuery.

Backend Software Engineer, Manifest Commerce   Nov 2014 - Feb 2016

Backend software engineer.

- Co-authored and launched rewrite of Manifest's ad platform backend including early alerting and release management. Project was built on AWS using technologies such as Python, Celery, Flask, SQLAlchemy, PostgreSQL, and RabbitMQ.

- Supported and scaled platform from first test ad to over $1M revenue / month and majority of client spend.

- Maintained ad bidding engines and provided system technical support including on-call duties.

- Authored the Facebook Ad API web service layer of new ad platform

- Primary technical resource for client importer onboarding.

Software Engineering Consultant, Self-Employed   Nov 2012 - Nov 2014

Consulted for a variety of consultants. Clients/projects included:

- **Matterport**, Django Consultant (2014)

- **Manifest Commerce**, Client importer consultant (2013-2014)

- **Real Pie Media**, Godofwar.com tech lead. Built out front-end and backend features including responsive mobile UI support and an admin panel. Managed inter-team localization effort across over 17 languages.(2013)

- **Joystick Interactive**, Google Social Voting App backend dev (2012)

Software Engineer, Getaround   Nov 2010 - Sept 2012,
Full-stack Software Engineer and former intern. Supported early getaround rental engine and web platform as member of early engineering team.
- Primary author on services for event-based emails, couponing, car unlocks. Backend systems were Python 2.5/2.7 on Google App Engine.
- Built and maintained a custom GitHub pull request-based CI platform.
- Co-authored initial web integration test suite with Director of Eng.

Student Intern, Jet Propulsion Laboratory   June 2009 - Sept 2009,
Developed a set of code rule compliance checkers in Python and C++ under the supervision of Dr. Gerard Holzmann in the Laboratory for Reliable Software (LaRS). Code checkers targeted rules defined in the NASA/JPL C coding standard.
- Employed the visitor pattern to create custom static-analysis tooling in Python and bash shell scripting.
- Developed Coverity Extend extensions in C++

Student Intern, Jet Propulsion Laboratory   June 2007 - Sept 2007,
                                              June 2008 - Aug 2008
Co-developed a web application which assisted Systems Engineering team in management of command and telemetry dictionaries.
- Developed application frontend. Maintained and updated database backend.
- Extended command/telemetry dictionary importation and exportation processes
- Implemented user permissions and authorization framework hooked up to organization LDAP

Co-founder, Zooomr, Inc.   Oct 2005 - June 2007
Zooomr was a web 2.0 photo sharing application supporting features such as OpenID authentication, mobile upload, geotagging, trackbacks, comments, as well as localization in over 20 languages (now defunct).

Computer Skills		
	<u>Languages:</u>	C, C++, Python, PHP, LaTeX, SQL, HTML, JS , CSS, Golang (beginner)
	<u>Platforms</u>	Linux, UNIX, Mac OS X, Google App Engine, Amazon EC2, Heroku
	<u>APIs</u>	Google, GitHub, Dropbox, Facebook, MailChimp, MixPanel, Twitter to name a few
	<u>Software</u>	vim, git, Adobe Photoshop, Microsoft Office, OpenOffice.org, Apache Web Server, SSHD

Education   **University of California, Davis**   2013
Bachelors of Science
Major: Computer Science

Interests   Music (guitar, percussion, harmonica, ableton), Photography, Cycling, Reading, Camping/Backpacking, Computer Art