

Grant Steffen Hulegaard

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Technologies

- Languages
 - Python, R
 - JavaScript, HTML5, CSS3
 - C/C++
- Architecture
 - REST, SOAP, Microservices
 - Patterns: MVC, Reactive, Responsive Web Design
 - Ubuntu, .DEB packaging
- Web
 - AngularJS, EmberJS, NodeJS
 - JQuery, Bootstrap, Zurb
 - Django, DRF, DjangoCMS
 - Pyramid, Cornice, Kotti
 - Grunt, Wordpress
 - UWSGI, FCGI
 - Nginx, Apache, IIS, Tomcat
 - Chrome Dev Tools, Firebug...
- Databases
 - PostgreSQL, MySQL, MSSQL Server, SQLite, SQL Anywhere
- DevOps
 - Git, Trac, Slack
 - Virtualization: KVM/Libvirt, LXC
 - Networking: TCP/IP
- Security
 - OpenVPN, OpenSSH
 - eCryptfs

Relevant Experience

AQT Solutions, Inc. Software Engineer

Napa, California
September 2013 - present

AQT Solutions, Inc. began as an Aviation Training Management Company that sold software targeted for managing the training of pilots for both the military and private sectors. It currently seeks to expand into other regulated training markets such as Dangerous Goods. Some relevant personal projects of mine are listed below.

Web Portal for PowerBuilder based TMS:

- Architected a web portal leveraging open source WebRDP technologies to provide alternative deployment topologies for a legacy application
- Single Page Application architecture, RESTful web services
- EmberJS/AngularJS, Pyramid, Mozilla Cornice, Postgres/MSSQL

Customer facing website development:

- Worked closely with Marketing team to design, architect, and implement a new customer facing website with CRM and CMS functionality with SEO and other marketing/sales oriented tooling
- Managed a team of three software engineers through complete SDLC
- Django, uWSGI, SQL Anywhere, MySQL/Postgres

SAAS/Scalable server architecture:

- Designed, documented, and executed the deployment of a new collocation server cage. This included security and planning for future scalability using technologies like Redis, HA Proxy, etc.
- Handled all aspects of infrastructure design, hardware specification, and configuration/deployment
- Ubuntu Server, KVM/Libvirt, Networking: TCP/IP, iDrac

DevOps:

- Defined development workflow by implementing new development tools and establishing best practices
- Built Python scripts to automate building, packaging and installation
- Git, Gitlab, .DEB packaging, Grunt

VireoMD, Inc. Software Engineer

Tiburon, California
January 2011 - September 2013

VireoMD, Inc. is a startup in the medical space that seeks to provide low-cost services to medicinal practitioners enabling them to comply with new government regulations concerning Electronic Medical Records (EMR) systems.

- Founder
- Python, C, C++, Bash, HTML5, CSS3
- Linux server administration: Git, KVM, Trac, Apache, Kottie, Joomla, Cron
- Worked closely in a small team environment to build the technology stack for customer deployment
- Experience in system security for HIPAA compliance: eCryptfs, OpenVPN
- Transitioned the company from pre-revenue to post-revenue

UC Davis Police Department
Aggie Host Security Officer

Davis, California
February 2012 - September 2013

Aggie Host Security Officers are manpower supplements to the on campus police department. Primary duties revolve around safety staffing for on campus events but also include student motivated security programs such as *Safe Rides* and late night building patrols.

- Friendly customer service and event support
- Trusted with independent (non-supervised) event work

Interests/Skills

- Functional Reactive Programming
- Schema Adaptive User Interfaces
- Single Page Applications
- Scalable Web Architecture
- Statistical Analysis & Data Visualization
- Open Source, Linux
- Skiing/Snowboarding
- Mountain Biking
- Hiking
- Craft beers

Education

Bachelor of Arts, Economics
University of California - Davis

Davis, California
Spring 2013

Relevant Coursework: Calculus, Vector Calculus, Applied Linear Algebra, Differential Equations, Statistics for Engineering, ANOVA, Regressions, Statistics with R and STATA, C, C++