

# Grant Steffen Hulegaard

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I am a passionate web developer that seeks to connect people with easily accessible tools and information. I have a penchant for single page applications. Specifically, anything related to functional reactive programming. Whether it be EmberJS's new Glimmer Engine or exploring the possibilities of signal programming with Elm. I am seeking employment opportunities that will allow me to continue building skills in full stack web development and also explore the limits of functional reactive programming. I envision a better web with *schema adaptive user interfaces* on the horizon.

## Technologies

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- 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

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**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 Danger 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 Windows based application.
- Single Page Application architecture
- RESTful web service backend
- 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.
- 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.
- Ubuntu Server, KVM/Libvirt, Networking: TCP/IP, iDrac

### *DevOps:*

- Defined development workflow by implementing new development tools and establishing best practices.
- Git, Gitlab, .DEB packaging, Grunt

**VireoMD, Inc.**  
Software Engineer

Tiburon, California  
January 2011 - September 2013

VireoMD, Inc. is a startup in the midcal space that seeks to provide low-cost, market disruptive services to medicinal practitioners enabling them to comply with new government regulations concerning electronic medical records.

- Founder
- Programming: Python, C, C++, Bash
- Web Design: 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

## Interests/Skills

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- Functional Reactive Programming
- Schema Adaptive User Interfaces
- Single Page Applications
- Scalable Web Architecture
- Statistical Analysis
- Data Visualization
- Open Source technologies
- Linux

## Education

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**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, C, C++