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## EXPERIENCE

- Infiniscene* - broadcast studio built on the web 2016 - \*
- Worked on a backend written in C/C++ solving video performance issues
  - Wrote OpenGL/GLSL shaders, and CPU based video effects
- Etsy* - e-commerce website focused on handmade 2014 - 2016
- Member of the Community Engineering Group, building tools to aid personnel connections
  - Improved *Kibana*, adding aggregations and features for internal use
  - Worked on internal IRC client that aimed to humanize users, adding proprietary extensions
  - Upgraded Etsy to PHP 7, which involved porting multiple language extensions written in C
- onShore Development* - Creator of Webcheckout, an scheduling and asset management application 2013 - 2014
- Converted Web App to be API driven, using Common Lisp and PostgreSQL on the backend
  - Ported to frontend to Angular, replacing projects in Dojo and jQuery
  - Replaced legacy markup/styling with Bootstrap
- System Associates* - Developer of full stack software and hardware for major hotels 2012 - 2016
- Used Asterisk with custom Dialplan and Applications written in C to create a hosted PBX
  - Created a deployment system using git so updates and new installs can be done seamlessly
  - Developed a web interface with Foundation Zurb to manage PBX
  - Wrote multiple SPAs that shipped as Phone Apps using PhoneGap and jQuery Mobile
- Virtual Technologies Group* - VoIP and IT services provider 2011 - 2012
- Wrote custom dialplan for school systems
  - Created a web portal that simplified a multi-day process to 5 minutes

## SKILLS

### Programming and Markup Languages

#### *Built Software With*

- Lisp (Scheme and Common Lisp)
- Javascript/HTML/CSS
- C/C++
- SQL
- Go

- PHP
- #### *Solved Problems With*
- Shell Scripts
  - L<sup>A</sup>T<sub>E</sub>X
  - Assembler (x86 Gas)
  - Python

### Software Used

- Unix (Primarily FreeBSD and Debian)
- MySQL/PostgreSQL/SQLite
- Asterisk
- jQuery/Dojo/Angular
- git/Subversion
- Bootstrap/Foundation

## PROJECTS

**fail2web** - *fail2ban GUI, written with Go and AngularJS.*

Creator, contributed to **fail2ban** and **ogorek**

**PHP** - *Scripting language especially suited to web development.*

Added **class constant visibility** to the language. Ported msgpack, oauth, yaml and others to PHP 7

**dwb** - *A minimal web browser written in C, with vim keybindings.*

Fixed multiple bugs, listed as contributor