

PHILIP LEE

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San Francisco, CA

SUMMARY

I have worked with financial enterprise object oriented software development processes.

Created GUI editors and animated control panels for nuclear power plant robots.

I have a history of solving all the hardest problems.

Full LAMP/MERN stack developer. Natural Born Coder. High Productivity Rate.

HTML, JS, CSS, ReactJS/Redux, Express, Node, MongoDB, MySql

PROFESSIONAL EXPERIENCE

Project: **Themed and launched multiple CMS sites**

2019-21

[Moogsoft.com](http://moogsoft.com)

- Developed & Launch Moogsoft (<http://moogsoft.com>)
- CSS3 / JS animations from scratch
- Using advanced custom post types to create custom fields / handling for CMS system for easy marketing team maintenance without any need for code
- Migration of old database fields to map to new CMS themed database
- Custom theme coded from scratch integrated with Wordpress CMS for easy mouse only administration (fields / image handling / updates done by non developers).
- Technologies Used: JS / HTML / CSS / PHP / MSQL / Photoshop / Foundation / Laravel / Wordpress / Bladerunner

Project: **Themed and launched new Gusto.com GUI**

2020

[Gusto.com](http://gusto.com)

- Themed GUI & JS Integration to be fully cross browser compliant (including IE & Edge)
- Bootstrap 4 responsive design
- Made CSS3 carousels, animations, transformations, intersection observer viewport handling
- Implemented javascript class objects for nav menu handling, carousels, dot indicators & more
- Integrated against Ruby backend
- Solved advanced CSS problems, gave directions on SEO & performance optimization
- Technologies Used: Bootstrap 4, Ruby on Rails, Haml, React, JS, HTML, CSS, Photoshop

Project: **Custom cryptocurrency coin tracking application on AWS**

2019

[CodeBoss911.com](http://codeboss911.com)

- Tickers sent real time using SocketIO via Node then updated via React States with css flashing effect on updated item only
- Registration & Login feature support JOI Browser validation, Axios Post to backend Node / Express / Routes / API to save & update MongoDB data
- Login is authenticated and JWT returned stored in browser local storage
- Mongoose DB Schema models and collections handling with MongoDB
- States are handled using Redux
- Server setup on AWS instances
- Technologies Used: React, Redux, JS, Express, Node, MongoDB, AWS, HTML, CSS, Photoshop

Project: Custom ECommerce System

2013-2018

EnvyMax.com / EnvyCurve.com / EnvyPearl.com / VKege.com

- Developed custom checkout cart from integrating API with Authorize.net (credit card handling), EasyPost (stamp handling), MailChimp (marketing campaign handling)
- Developed from scratch using CodeIgniter framework
- System processes credit cards, sends confirmation email, allows user to auto unsubscribe via link, tracks user history, auto processes payment by schedule and more
- System easily reskinned with responsive GUI for optimal user experience
- Technologies Used: PHP, JS, CSS, HTML, MySQL, JQuery, CodeIgniter, Photoshop

Project: Manage / Maintain / Launch All Fox 20th Television Web Sites & Direct Development Teams

2011-2013

Fox 20th Inc. <http://www.fox.com>

- Managed / Maintained / Launched All Fox 20th Television Sites
- Converted all sites to cloud system for mass audience support utilizing dynamic scaling
- Developed specs/architect and lead web teams for site developments
- Created solutions for large scale contests with legal restriction limitations
- Wordpress Framework Development
- Technologies Used: JS, CSS, HTML, MySQL, JQuery, WordPress, EzPublish, Photoshop

Project: Create and Launch New Site

2011

Gild Inc.

- Created new site in web 2.0 fashion to replace obsolete and excessiely heavy old site
- Developed in Ruby on Rails platform
- Created several tricky special effects for full cross browser compatibility
- Developed solutions for handling preloading problems while using the cloud due to dynamic image url creations
- Authored entire UI

- Technologies Used: JS, CSS, HTML, JQuery, Photoshop

Project: **AFROTC / Switch Light Bulb**

2011

Eurorscg Inc.

- AFROTC: Working on a custom PHP Framework, reskinned the entire application form and added new features and validations along with database query updates. ([AFROTC Application Landing Page](#))
- Switch Light Bulbs: Created entire frontend of site to be used for a major marketing ad campaign.
- Technologies Used: JS, CSS, HTML, JQuery, PHP, MySql, Photoshop

Project: **HP Celebrations / SunDrop.com / CamelBak.com**

2010-2011

EVB Inc. <http://www.evb.com>

- CamelBak: Developed entire UI including top carousel banner with JS to avoid FLASH with integration SiteCore backend.
- Developed solutions for handling last DB product image importing and auto resizing issues and chopped up photoshop PSD for production. <http://www.camelbak.com>
- Hewlett Packard Celebrations: Developed configurable media system for HP Team.
- Developed both backend and frontend, utilizing CodeIgniter as framework.
- Created SQL Schemas integrated with PHP AMF Gateway to communicate with FLASH.
- Developed large file management for upload, storing and retrieving music, video and audio files uploaded by users.
- SunDrop: Created Non Flash version of site (<http://www.sundrop.com>)
- Technologies Used: OO Javascript, CSS, HTML, JQuery, CI, OO PHP, MySql, Photoshop

Project: **Fastcompany / Microsoft / Participant Media / AMEX / Nike / DKNY**

2009-2010

Mekanism Inc. <http://www.mekanism.com>

- Developed any and all solutions for various clients of Mekanism Inc. using Drupal & CodeIgniter frameworks, integrating Baynote, Omniture, Facebook Development
- FastCompany developed entire UI interaction (login/reg/account management/validation/various content handling) communicating with backend and flash protocol and developed the look/feel theme (<http://influenceproject.fastcompany.com>)
- Participant Media/AMEX: Developed and maintained Drupal system for TakePart.com, created AMEX campaigns launched for Olympics ads, incorporating heavy AJAX interaction with complex custom backend developments. Integrated Google GSA, Baynote and Omniture. (<http://www.takepart.com>)
- Developed from scratch an internal FTP system for Mekanism allowing custom account management to work with rackspace cloud. Developed DB Schemas integrated with CI Views/Controllers with AJAX support.

- Microsoft: Developed Deep Zoom Studio UI, working with Azure (<http://www.deepzoomstudio.com/>)
- Nike: Created promotional html / email ads and handling registrations/mailler with using JAVA
- DKNY: Created toolkit login system / DB Schema / multi-language banner ads with Facebook like support.
- Technologies Used: OO Javascript, CSS, HTML, JQuery, CI, Drupal, OO PHP, MySql, Photoshop

Project: **Nuclear Power Plant Robot Control Panel**

2008 - 2009

Moog Inc. <http://www.moog.com>

- Designed and developed a GUI control panel with animated graphical representation of robot positioning
- Converted specifications conceptual mockups into live pages with graphical enhancements
- Defined communications protocol and workflow
- Used **PHPGD Library** to create 360 degrees images to be used to represent robot movements
- Integrated UI to backend using **AJAX** with data polling for animated dynamic page updates
- Technologies Used: OO Javascript, CSS, HTML, JQuery, PHP, Photoshop

Project: **Device Controls and GUI Programming Application**

2006 - 2008

Berkeley Process Controls, Inc. (bought by Moog)

- Designed and developed **UI application** on a hardware device running an **embedded web server** allowing hardware devices to interact with other devices.
- Created a **GUI sequence programming** interface to allow programming device controls through UI easily
- Created graphical setup configuration wizards utilizing drag and drop and creative layouts to allow for simple configurations of complex devices
- Developed an **Visual IDE** to design interactive dynamic views for real-time device data display. Implemented in **Javascript** with **JSON**.
- Redesigned company website BerkeleyProcess.com and Soft-IO.com
- Implemented open source PayPal integrated **e-commerce store** (www.soft-io.com)
- Technologies Used: OO Javascript, CSS, HTML, Drupal, JQuery, JSON, RSH, Photoshop, Embedded Server Page

Project: **Hotel Reviews Site**

2006 - 2008

TravelPost Inc. (bought by Kayak)

- Developed **live pages** from static mockups and developed all UI needs ensuring optimal performance and cross browser compatibility
- Managed Word Press blog and debugged open source bugs
- Technologies Used: CSS, HTML, Javascript, Photoshop

Project: **Search and Collaboration Application** 2004 - 2006
JetEye Inc.

- Designed and Developed a **PHP / AJAX** based searched system to index and query data for a social and collaborative search site.
- Technologies Used: PHP, MySQL, CSS, HTML, Javascript, Photoshop

Project: **Audio Systems and Services Ecommerce** 2004
Phonic Inc. [Phonic](#)

- Designed and Developed entire **site from scratch** using **PHP / MySQL** to manage large sets of product contents and informational display interactivity.
- Technologies Used: PHP, MySQL, CSS, HTML, Javascript, Photoshop

Project: **Enterprise Financial Equity Trading Application** 2001 - 2004
Intelligent Markets, Inc.

- Designed and Developed software application for financial **enterprises** for trading equity and bonds.
- Developed web based application within a C++ window application interface.
- Participated in highly **formal design and development process** for requirement analysis, specification development, protocol design, class design, implementation, unit testing and field deployment.
- Technologies Used: OO Javascript, CSS, HTML, Photoshop

Project: **Web Video Player Engine** 2000 - 2001
Eveo Inc. <http://www.eveo.com>

- Designed and Developed web based video player engine and interface
- Redesigned entire company website
- Integrated database system to website
- Technologies Used: JSP, MySQL, Javascript, CSS, HTML, Photoshop

Project: **Web Portal Service** 2000
OnePage, Inc.

- Designed and developed **JSP / MySQL** based web portal software
- Developed entire interface custom user layout handling with **Javascript / CSS / HTML**
- Developed entire sign up, validation, membership handling with database integration using **JSP / MySQL**
- Technologies Used: JSP, MySQL, Javascript, CSS, HTML, Photoshop

Project: **Company Website Redesign / Misc Technical Solutions** 1999 - 2000
Varsity Logitics Inc. <http://www.varsitylogistics.com>

- Redesigned entire website
- Main **technical contact** for all technical related problems
- Technologies Used: Javascript, CSS, HTML, Photoshop

- Project: **ECommerce Data Filter / Manipulation / Validation** 2009
OfficeTronics Inc.
- Used PHP to auto format multiple different large sets of data to filter out duplicates, select lowest prices, validate from errors in order to submit massive data set to Government in the proper/accepted format
 - This put OfficeTronics immediately online and in business
 - Technologies Used: PHP
- Project: **Insurance Quoting System Site** 2005
800-Insurance Inc. <http://www.800-insurance.com>
- Designed and developed entire site displaying insurance information online
 - Technologies Used: Javascript, CSS, HTML, Photoshop
- Project: **Real Estate Website with GUI Based Updating System** 2005
LOH Realty and Investments Inc. <http://www.lohrealty.com/>
- Designed and developed entire site
 - Developed GUI system to allow authors to publish and update new homes for sale without any coding
 - Technologies Used: PHP, MySql, Javascript, CSS, HTML, Photoshop
- Project: **Pet Hospital Website** 2005
Madera Pet Hospital Inc. <http://www.maderapet.com/>
- Designed and developed entire site displaying company related information
 - Technologies Used: Javascript, CSS, HTML, Photoshop
- Project: **Photo Gallery Engine** 2005
Creative Frequency Inc.
- Designed and developed an online photo gallery engine
 - Technologies Used: Javascript, CSS, HTML, Photoshop
- Project: **Business Leads Website** 2005
Rich's California Business Leads <http://www.richsdata.com/>
- Designed and developed entire site allowing users to subscribe, register and login to access paid for business leads
 - Technologies Used: Javascript, CSS, HTML, Photoshop
- Project: **Health and Medical Supply Website** 2005
Eumedic Inc.
- Designed and developed entire site for displaying product information with ability for online purchases
 - Technologies Used: Javascript, CSS, HTML, Photoshop
- Project: **Customer Support Service Website** 2005
CallCrew Inc.
- Desgined and developed entire site for displaying customer support services

- Technologies Used: Javascript, CSS, HTML, Photoshop

Project: **Company Website Redesign with GUI Based Updating System**

2005

Son Heavy Industries Inc.

- Converted static web pages into dynamic JSP based pages
- Created CMS Update system to allow for easy site updates
- Technologies Used: JSP, MySql, Javascript, CSS, HTML, Photoshop

Project: Graphic Design

1999

JDR Microdevices

Project: Company Website Redesign

1998

CompuLAN Inc.

Project: Graphic Design

1996

TrueSports Professional Inc.

COMPUTING SKILLS

Programming Languages: Expert (Consider myself extremely capable in all of these languages):

Object Oriented Javascript, CSS, HTML, Object Oriented PHP, MySql, XML, XSLT

Tools & Frameworks:

Node, MongoDB, React, Redux, Express, jQuery, Drupal, Wordpress, CodeIgniter, TortoiseSVN, GitHub, CVS, SVN, SourceSafe, GIT, Tomcat, Apache, Photoshop, AWS

MISCELLANEOUS

I hand code everything, and am highly experienced with object oriented design and principles. I also utilize open source libraries and frameworks for optimal efficiency. I design and code with maintainability and execution efficiency, reliability and cross-browser compatibility as the guiding principals. I have been known to solve what others have called impossible and tackle subtle problems that may not make sense technically.