

# Max McCall

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## PROFESSIONAL SUMMARY

Experienced full stack web applications developer and user experience designer with a background in mathematics. Over a ten years of professional history implementing new technology solutions, including web applications for Fortune 500 companies like GAP as well as financial analysis and project management tools for multi-billion dollar companies like Luxor Capital Group and PG&E. Valued for creativity and being an enterprising self starter who is seeking challenging roles.

## WORK HISTORY

### Freelance Developer

January 2019 – Present

<https://max.engineering>

San Francisco, California

- **CryptoColo** (<https://cryptocolo.net/>) Cryptocurrency Colocation Brokerage
  - Built in ReactJS/Next with TypeScript support, Bulma CSS and SCSS Webpack support
- **The Room to Grow** (<https://theroomtogrow.org/>) Bay Area multi-location pre-school.
  - Developed automated Open House scheduling integrated with MailChimp for seamless registration.
  - Developed and manage integrations and payment processing with PayPal for easy student registration.
- **Lower Haight Neighbors and Merchants Association** ([lohamna.org](http://lohamna.org))
  - Founded local non-profit organization web-presence.
  - Developed and manage integrations for membership subscriptions, donations, email marketing automation and interactive event calendaring
- **Ouroboros LLP** (<https://o-llp.com>) Blockchain, Fintech, & Corporate law firm
  - Web design, branding, logo, copy, and implementation for law firm's web presence.

### Golin, Inc

June 2018 – November 2018

Full Stack Developer

San Francisco, California

- **Casualty Actuarial Society and Society of Actuaries**
  - Created a webpage for the merger of two actuarial societies.
  - VueJS front end with vue-router for seamless page transitions and lightning fast pre-rendering
  - PHP Laravel/Lumen backend that delivered that leveraged partial sever-side rendering for better SEO support.
- **Acxiom.com**
  - Used AWS S3 Storage to create syncing system for keeping 5 separate language servers in sync with an S3 asset storage bucket.

## FRONT-END

JavaScript, VueJS, ReactJS, AngularJS, SCSS/SASS

## BACK-END

NodeJS, Java, PHP, Python, C/C++, Java Spring, Lavarvel/Lumen

## UTILITY

WebPack, Vite, Gulp, Grunt

## SERVER

Amazon AWS, Amazon S3, Apache Tomcat

## TESTING

JUnit, Mockito, Cucumber, Jasmine

## DATABASE

MySQL, MongoDB, Microsoft Access

## ANIMATION

Canvas, D3.js, Anime.js, Three.js, Greensock

## CMS AND ECOMMERCE

WordPress, CraftCMS, PyroCMS, Magento

## DEVOPS

DeployHQ, BeanStalk, Jenkins, Electric Commander, Netlify

## MOCKS

Balsamiq, OmniGraffle, Visio

## DESIGN

GIMP, Photoshop, Illustrator

- Developed custom plugins and widgets for their CMS solution that leverage their AWS storage
- *Golin.com*
  - Built extensive WebPack integration to create a template for all developer projects moving forward, including SASS compilation, local development server, hosting of locally accessible staging servers, and complete build deployments.
- *LiveRamp.com*
  - Custom Vimeo video modal embeds and created modules leveraging Advanced Custom Fields support for flexible modules used throughout the site.
- *Amgen Booth Quiz*
  - Interactive quiz, with particle.js user interactions to create a playful touch screen interface, allowing users to interact with particles reminiscent of molecular bonds forming and breaking.

## Pariveda Solutions

January 2014 – November 2016

Software Consultant

San Francisco, California

Associate I (January 2016 – November 2016)

- *Gap, Inc*
  - UX Lead of a multinational team helping to scale the team from 3 to 40 members.
  - Web application written with AngularJS, JAVA Spring, NodeJS, MongoDB.
  - Java Spring microservices that connecting 3 separate legacy databases used for all orders across the global organization
  - Streamlined end-to-end process of product design to global market distribution from one year to months by combining disjointed and legacy systems within a singular, comprehensive visual assorting tool.
  - Designed mockups with Balsamiq, as well as JS prototypes, and lead weekly user feedback

Consultant II (January 2015 – January 2016)

- *Luxor Capital Group*
  - Maintained MySQL financial analysis and risk management tool for a multi-billion dollar hedge fund used to determine the fund's position on investments.
- *Asian Art Museum*
  - Cross platform mobile game application using Bluetooth beacons to track museum visitors position in an exhibit and deliver trivia relevant to the current art piece.

Consultant I (January 2014 – January 2015)

- *PG&E Energy*

Internal web application to company. Custom JS user interactions, eCommerce integration for online store, CMS integration for content and store.

- *Clear Energy Brokerage*
  - Corporate branding, responsive, custom web site that included content management, and contact form email management system.
- *Lower Haight Neighbors and Merchants Association*
  - Helped a non-profit organization found a web-presence, and implemented eCommerce integration for membership subscriptions and donations. Email marketing automation and interactive calendaring of events.
  - Facilitate all their needs including domain registrations, hosting, database integration, DNS, CMS, eCommerce, UX, and new custom content creation and JS tools.

## Creative Circle

January 2013 – November 2013

Web Developer

San Francisco, California

- *NudeAudio Bluetooth Speakers*
  - Wireless Bluetooth Speaker company. Custom JS user interactions, eCommerce integration for online store, CMS integration for content and store.
- *Clear Energy Brokerage*
  - Renewable energy credit broker. Corporate branding, responsive, custom web site that included content management, and contact form email management system.

## Infield Design

May 2012 – Dec 2012

### Web Developer

San Francisco, California

- *Bianchi Bicycles, Institute for the Future*
  - Defined project goals, scopes, and new features
  - Provided knowledge training in the custom web application content designed to create new work flows for employees.
  - Designed and implemented enterprise scale content management systems, eCommerce solutions and custom web tools using Magento, WordPress, Typo3, and Adobe CQ5.

## Software Technologies Laboratory

May 2008 – July 2011

### Full Stack Developer

Blacksburg, Virginia

- Maintained a private web utility for the Department of Energy to manage international scientific lab grants, and as a method for those labs to submit proposals, communicate with the DOE, and use as project management portal for tracking research grant timelines.
- Designed and developed new features, workflows, and tools for laboratory and DOE clients using PHP, MySQL, Javascript, and jQuery.

## Metabolic Engineering Laboratory at Virginia Tech

Aug 2010 – May 2011

### Research Scientist

Blacksburg, Virginia

- Designed pilot scale bioreactor using *Clostridium acetobutylicum* to produce biobutanol, a four carbon fuel that can burn in current vehicle engines without modification, that was created using waste organic matter from farming.
- Used metabolic engineering simulations created in MatLab that were designed to model over expression of gene responsible for producing the amino acid leucine, an essential amino acid to further supplement production costs and increase feasibility.
- Handled project offers, submissions, and approval. Included financial tracking and modeling to keep track of all construction projects, their fiscal impacts, and fidelity to their timeline.

## EDUCATION

### Virginia Polytechnic Institute and State University

Blacksburg, Virginia

Bachelor of Science: **Biological Systems Engineering**

May 2011

Minors: **Computer Science** and **Mathematics**

*Gilbert and Lucille Seay Scholarship*

2007-2009

*Computer Science Resources Consortium Scholarship*

2009-2011

*Davidson C Wysor Scholarship*

2010-2011