

# William Ha

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## Technical Skills

Front-end: HTML5, CSS3, jQuery, React, React Native, Redux, Angular, Bootstrap, Semantic  
Back-end: Node.js, Express, MongoDB, MySQL, PostgreSQL  
Testing/Tools: Mocha, Chai, Jest, Travis CI, Git, Webpack, Babel, AWS, Heroku, Docker

## Software Engineering Applications

**PlanCake** | Collaborative event planning web application to discuss ideas, create itineraries, and organize information

- Tech stack: React, Redux, PostgreSQL, Sequelize, Node.js, Express, AWS RDS
- Designed database schema and system architecture and conducted scrum methodology within team
- Created modular components that were used throughout the application and were part of the dashboard
- Utilized React Router and Redux to implement seamless single-page application and modularize code base
- Deployed to Docker environment along with AWS RDS and integrated all changes to code

**PicWorthy** | Social web application to share pictures and discover noteworthy locations near you and around the world

- Tech stack: MongoDB, Mongoose, Express, React, Node.js
- Created multiple application wireframes to explore and determine optimal interface and user experience
- Designed schema that optimized ability to scale application functionality with new features
- Enhanced application performance by offloading image management to Imgur API, reducing load times by 30%
- Integrated Google Maps API with MongoDB to utilize geospatial queries for key component of application

**CodeFightClub** | Compete with other programmers by completing coding challenges in real-time environment

- Tech stack: MongoDB, Mongoose, Express, React, Node.js
- Refactored open-source codebase to support multiplayer competition and messaging using Socket.io
- Revamped UI and app interface for more intuitive usability based on input from test users
- Expanded gameplay opportunity by developing functionality for user-generated content

## Experience

**Self-Employed** | Full-Stack Software Engineer 2017 - present

- Created websites and applications for various clients and organizations
- Architected single-page applications and designed RESTful API endpoints
- Demonstrated flexibility by picking up and working with new technologies as needed

**Pilipino Cultural Night** | Logistics Coordinator 2012 - 2015

*Pilipino Cultural Night is a production with over 100 cast members collaborating over the course of a year*

- Directed departments including finance and marketing and managed other logistical details
- Increased event attendance and community engagement at least 20% each year by implementing new procedures and building cast member motivation and team morale

## Education

UC Santa Barbara, B.A. in Sociology 2016  
UC Santa Barbara, Technology Management Certificate  
Hack Reactor, Software Engineering Immersive Program