

William Ha

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Technical Skills

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

Software Engineering Applications

PlanCake | PostgreSQL, Express, React, Redux, Node.js

plancake.co

An application to collaborate with others and organize all of your event planning needs

- Deployed to Docker environment with AWS RDS and integrated all changes to code
- Leveraged PostgreSQL database for fast data retrieval using joined tables
- Utilized React Router to handle seamless transitions and provide separation of data and presentation
- Improved application performance and test coverage by implementing Redux appropriately

PicWorthy | MongoDB, Express, React, Node.js

picworthy.herokuapp.com

An application to share pictures and find noteworthy locations around you

- Optimized application performance by offloading image management to Imgur API
- Integrated Google Maps API with MongoDB to utilize geospatial queries for key component of application
- Designed schema that optimized ability to scale database after adding new features

CodeFightClub | MongoDB, Express, React, Node.js, Socket.io

Complete coding challenges against others in real time

- Refactored open-source codebase to support multiplayer competition and messaging using Socket.io
- Improved database management using Mongoose to create schema for tracking and indexing user data
- 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 working with and picking up 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 each year by introducing 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*