

Beau Jayme De Guzman Badilla

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EDUCATION

California State University, Fullerton
Bachelor of Science in **Computer Science**

Fullerton, CA
December 2019

Related Courses

Web Front-End Engineering
Web Back-End Engineering

Algorithm Engineering
Data Structures

File Structure and Databases
Computer Networking

SKILLS

Languages: JavaScript, Python, C++, Java, HTML, CSS, SQL, CQL, R, Bash

Web Frameworks: Vue.js, Express, Flask, jQuery

Databases: Firebase, PostgreSQL, SQLite, ScyllaDB

Libraries/Tools: Git, GitHub, Node.js, Vuex, Jest, Webpack, Socket.io, Vuetify, Vue Test Utils, UIKit

Platforms: Windows, Linux, AWS, Heroku, Android

CERTIFICATIONS

AWS Certified Solutions Architect – Associate

June 2020 – June 2023

https://www.youracclaim.com/badges/9b995182-e9ce-46af-80fd-9bca88bf957c/public_url

PROJECTS

Pihp (Web App with Vue, Express, Node.js, Firebase)

<https://pihp-db.web.app/> | https://youtu.be/ywLP_dbg_dQ

- Created a **single-page application**(SPA) to help diners choose a restaurant
- Implemented RESTful APIs using Express, the Firebase admin SDK, and 3rd party APIs
- Designed the network and **NoSQL document-oriented** data model to support a real-time chat system
- Partnered with a former classmate and held weekly meetings, code reviewed, and logged our progress

Browser Typing Game (Web App with Phaser 3, Express, Node.js)

<https://beaubadilla.github.io/typing-frontend/>

- Built a **real-time** multiplayer typing game for people to challenge one another
- Implemented **websocket** APIs through the Socket.io library to connect and synchronize players
- Utilized webpack to bundle the JavaScript, HTML, and CSS that constructed the UI/UX

Music Player (APIs in Python)

- Developed **RESTful APIs** under a **microservice** architecture with Flask and SQLite
- Configured Kong **API Gateway** through curl to handle all routing for API requests
- Redesigned the data model to port our SQL schema into a ScyllaDB **NoSQL wide-column** database

EXPERIENCE

STEAM Mentor: Bytes & Bots

February 2018 – August 2018

Irvine, California

- Simplified programming and complex concepts for students to understand
- Organized and lead a robotics camp of six students for five days for the Anaheim School District
- Trained K-12 students on soft skills such as self-management, presenting, and decision-making
- Assisted teaching classes of twenty students Python and hardware integration at elementary schools