

# Beau Jayme De Guzman Badilla

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## EDUCATION

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**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

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

**Technologies:** Vue.js, Vuex, Vuetify, Vue Test Utils, Node.js, Jest, Amazon Web Services(AWS), Git, GitHub, Express, Firebase, Socket.io, Webpack, Flask, Kong Gateway, ScyllaDB, SQLite, Postman, Chrome Dev Tools

**Operating Systems:** Windows, Linux

## CERTIFICATIONS

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**AWS Certified Solutions Architect – Associate**

June 2020 – June 2023

[https://www.youracclaim.com/badges/9b995182-e9ce-46af-80fd-9bca88bf957c/public\\_url](https://www.youracclaim.com/badges/9b995182-e9ce-46af-80fd-9bca88bf957c/public_url)

## PROJECTS

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

<https://pihp-db.web.app/> | [https://youtu.be/ywLP\\_dbg\\_dQ](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 3<sup>rd</sup> 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

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**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