

JAKE DUDUM

San Bruno, CA | P: +1 (650) 515-7204 | jakedudum@gmail.com | [LinkedIn](#) | [Portfolio](#) | [GitHub](#)

SKILLS

HTML, CSS, JavaScript, React, Express, MongoDB, Bootstrap, jQuery, Node, MySQL, SQL, PostgreSQL, RESTful APIs, PHP, Git/Git Bash, GitHub, Tableau, Python, R, Ruby, Agile Methodologies, Scrum, Project Management, SDLC

PROJECTS

[Jumble](#) – MERN Stack (MySQL, Express, React, Node)

[GitHub](#)

- Built a comprehensive full-stack web application using MERN stack which incorporated Charts.js package for dynamic data visualization.
- Applied user authentication via Passport and ReactJS for reusable components to increase DOM rendering.
- Designed logic to handle seamless communication from frontend to backend utilizing Axios and RESTful routing along with React state management.

[Bark!](#) – HTML, CSS, JavaScript, Sequelize (MySQL)

[GitHub](#)

- Built a secure CRUD application with user authentication using Bcrypt and Passport NPM packages to hash passwords.
- Created a RESTful API for full CRUD operations between frontend and backend Node server with Sequelize.
- Designed SQL tables for storage of user and post data as well as upvote system.

[Where2P](#) - HTML, CSS, JavaScript, Materialize, jQuery, Firebase

[GitHub](#)

- Acted as team lead for project and delegated tasks to all team members using GitHub kanban board to delegate tasks to team members and follow up on completion.
- Utilized Yelp and Google Places APIs using AJAX to create interactive maps with markers.
- Incorporated Firebase to store reviews with ratings from users and OpenWeatherMap API for weather widget.

PROFESSIONAL EXPERIENCE

edX

San Francisco, CA

Full Stack Web Development Teaching Assistant

June 2022 - Present

- Instruct groups of 30+ students in a Full Stack Web Development bootcamp, covering technologies including HTML, CSS, JavaScript, jQuery, React.js, Handlebar.js, Node.js, Express.js, MySQL and MongoDB.
- Provide guidance on best coding practices and standards, assisting students with coding, software, and project questions.
- Manage Gitlab repositories for multiple classes, overseeing coding activities, homework, algorithms, modules, and projects.
- Continuously learning new languages such as Ruby and Python.

Full Stack Web Development Learning Assistant

Mar 2020 – June 2022

- Offered web development expertise to students addressing technical, conceptual, and curriculum-related inquiries.
- Resolved 500+ coding questions monthly, spanning from front-end HTML, CSS, and JavaScript to back-end database issues.
- Facilitated interactive coding sessions and mentored students learning by communicating intricate software inquiries into accessible and comprehensible explanations.

Substitute Full Stack Teaching Assistant

Sept 2019 – Feb 2020

- Temporarily assumed the role of Full Stack Teaching Assistant for UC Berkeley's Extension Coding Bootcamp's in-person web development.
- Mentored 30+ students in 1-on-1 office hours supporting and facilitating their learning process.

EDUCATION

U.C. Berkeley Extension

San Francisco, CA

Full Stack Web Development

May 2019 – August 2019

Intensive 12-week program covering full stack web development technologies, including HTML, CSS, JavaScript, React.js, Node.js, Express.js, MySQL, MongoDB, APIs and more. Developed real-world projects and gained hands-on experience in building and deploying web applications.

University of San Francisco

San Francisco, CA

Computer Science

Aug 2011 – Nov 2016

Relevant Coursework: Data Structures and Algorithms, Intro to Computer Science 1 & 2, Software Development