

# Charles Nguyen

Full-Stack Developer

Racine, WI 53404 • [Email](#) • [LinkedIn](#) • [GitHub](#) • Portfolio

## SKILLS

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Programming Languages: Java, Python, JS, Lua, HTML, CSS.

Database: PostgreSQL, MongoDB, AWS DynamoDB.

Technologies: AWS Lambda, AWS API Gateway, AWS Bucket, NodeJS, Express, React, JQuery.

Languages: English, Vietnamese.

## EDUCATION

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### UC Berkeley

*Certificate* Full-Stack Developer

Berkeley, CA

March 2024 - Present

### San Jose State University

B.S. Applied Mathematics

San Jose, CA

September 2019 – May 2022

### De Anza College

A.S. Computer Science

Cupertino, CA

September 2016 – June 2019

## INTERNSHIP

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### Backend Developer Intern – Remote

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May 2023 – August 2023

Phoenix, AZ

- Collaborated with a team of three engineers to develop backend services using AWS technologies, including AWS DynamoDB, AWS Cognito, AWS Lambda, AWS API Gateway, and Node.js.
- Contributed to the development of a reminder service designed to support mental health by prompting users to complete daily tasks.
- Refactored and optimized existing code to enhance readability and database performance.
- Spearheaded a comprehensive reorganization of the backend functions on AWS Lambda, including file renaming and code rewriting for improved maintainability.

## PROJECTS

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### Call of Dragons

May 2024 – Present

Technologies: HTML, CSS, JS, PSQL, AWS S3 Bucket

- Created a feature to provide detailed information about new game version, ensuring users stay updated on upcoming changes.
- Built a “Hero Talent” simulation feature that allows users to preview the effects of each talent point, providing players greater insight into their options.
- Implemented a comprehensive hero information section, detailing the advantages and disadvantages of each hero to assist users in making strategic choices.

## Web Weavers

July 2024

Technologies: HTML, CSS, JavaScript, Handlebars, Node.js, Express, Sequelize, PostgreSQL

Developed a feature-rich job portal application enabling seamless integration between recruiters and job seekers.

- User Authentication & Authorization: Implemented secure user and recruiter signup/login/logout functionalities with session management and password hashing.
- Profile Management: Allowed users and recruiters to create, update, and delete their profiles, including profile pictures and other personal information.
- Job Listings: Enable recruiters to post a new job opening, edit existing job posting, and view job applications. Implemented functionalities for users to browse jobs, apply for positions, and manage their applications.
- Dashboard & Job Management: Created separate dashboards for users and recruiters. Users can review their applied jobs, while recruiters can manage job posting and view candidates.
- Image Uploads: Integrated a file upload system for profile images using middleware, ensuring smooth file handling and storage.
- Security & Error Handling: Incorporated robust error handling, logging, and validation to ensure data integrity and secure transactions.
- GitHub Project Link: <https://github.com/swe-thinhnguyen1701/job-board>

## VOLUNTEER

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### Student Help Group

UC Berkeley, Berkeley, CA

March 2024 – Present

- Mentored fellow students in the full-stacks development certification course to complete their assignments, ensuring all requirements were met. As a result, students improved their grades from approximately B to A+.
- Prepared clear explanations and demonstrated code snippets to help students understand concepts and refine and optimize their code, rather than simply memorizing them.