Charles Nguyen

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SKILLS

Programming Languages: Java, JavaScript, TypeScript, Python, HTML, CSS, Lua

Front-end: React, Handlebars, Apollo Client

Back-end: Node.js, Express, GraphQL, AWS Lambda, AWS API Gateway, AWS S3

Database: PostgreSQL , MongoDB, AWS DynamoDB

EDUCATION

UC Berkeley   Berkeley, CA

Certificate Full-Stack Developer   Mar 2024 – Sep 2024

- Developed practical skills through hands-on projects and real-world applications, utilizing modern development tools and methodologies.

San Jose State University   San Jose, CA

B.S. Applied Mathematics   Sep 2019 – May 2022

- *Courses:* Graph Theory, Computer Architecture, Design and Analysis Algorithms, Applied and Industrial Algebra

De Anza College   Cupertino, CA

A.S. Computer Science   Sep 2017 – June 2019

- *Courses*: Advance Java Programming, Data Structure and Algorithm, Bash Scripting, Calculus, Linear Algebra

PROJECTS

TeaLicious | React, Java Script, Node.js, AWS S3 Bucket, MongoDB, CSS, Stripe   Sep 2024

Team Lead & Full Stack Developer

- Led a team of developers, delegating tasks, reviewing code, resolving conflicts to ensure efficient collaboration, and managing front-end and backend technologies, including React, Apollo, GraphQL, MongoDB, AWS S3, and Stripe.
- Utilized AWS S3 for image storage and Stripe for secure transaction with robust cart functionality, integrating Apollo Client for efficient communication between front-end and backend, and implementing features like guest-to-member cart synchronization and real-time stock updates on successful transaction.
- Delivered a design focused on providing value to all types of customers through seamless navigation and personalized shopping experience.

WebWeavers | HTML, CSS, Handlebars, Node.js, Express.js, JS, PostgreSQL, Sequelize   Jul 2024

Full Stack Developer

- Lead a team of developers, handling project management and coding tasks due to low team engagement. Took on majority of the coding responsibilities to ensure project progress.
- Developed the frontend using HTML, which was then converted to Handlebars for dynamic content generation. Crafted user interfaces that allowed for seamless interaction for both recruiters and job seekers. Utilized custom CSS to ensure a polished and responsive design.
- Built and maintained backend API routes using Node.js and Express.js to manage user accounts and job posting. Implemented CRUD operations for job posts and user profiles. Created endpoints for job applications and ensured robust error handling and data validation. Designed and Implemented PostgreSQL database model and middleware to manage and process data efficiently.

Blue Students | Java   Dec 2021

- Developed an app that connects students with real-world coding challenge from companies, tracking student contributions and engagement. The app allows employers to directly contact students based on their contributions and performance.

Social Media Application | Java   Mar 2019

- Developed a social media application using Java, incorporating data structures like HashMap, ArrayList, and Binary Tree for optimized data management, and implementing algorithms for friends recommendations based on user interests, location, and connections.

EXPERIENCE

Chosn | AWS Lambda, AWS Cognito, AWS Lambda, AWS API Gateway, AWS DynamoDB   May 2023 – Aug 2023
Backend Developer Intern   Phoenix, AZ

- Collaborated with a team of three engineers to build robust backend services using AWS technologies and Node.js, enhancing the reliability and scalability of the application.
- Contributed to the creation of a reminder service that helped users manage and complete daily tasks, resulting in increased user engagement and improved mental health support.
- Refactored and optimized existing code to boost readability and database performance, leading to more efficient operations and reduced maintenance time.

VOLUNTEER

Student Help Group | UC Berkeley, Berkeley, CA   Mar2024 – Sep 2024

- 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 grade from 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.

INTEREST

Playing basketball, badmintons, swimming, leetcode, driving on rainy day