

SAMUEL OH

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[LinkedIn](#) [Portfolio](#) [GitHub](#)

TECHNICAL SKILLS

Programming: Python, JavaScript, Ruby, SQL

Frameworks/Libraries: React, Redux, Rails, Express.js, Node.js

Testing Frameworks: Jasmine, RSpec, Capybara

Databases: PostgreSQL, MongoDB

Tools & Technologies: Git, Webpack, Amazon S3

EDUCATION

APP ACADEMY: SOFTWARE ENGINEERING & CODING BOOTCAMP

Object-Oriented Programming, Web Development, Data Structures & Algorithms

BOSTON COLLEGE

Class of 2018

Bachelor of Arts: B.A. Psychology

Bachelor of Arts: B.A. Theology

Minor: Education

PROJECTS

SAMAZON (*Full Stack Developer, Rails, React, Amazon S3*)

[Live](#) | [GitHub](#)

Engineered an Amazon clone SPA with Rails and React, featuring product listings, carts, reviews, and checkout for enhanced UX.

- Integrated Amazon S3 to optimize media storage and accelerate page-load performance.
- Implemented secure user authentication with BCrypt for robust password protection.
- Systematically identified and resolved 10+ issues using Ruby debugging tools, significantly improving application reliability and user experience.

GOAL-GETTERS (*Lead Backend Developer, MERN Stack*)

[Live](#) | [GitHub](#)

Developed Backend for Productivity App

- Led back-end development in a MERN team project, overseeing database management, route design, and RESTful API creation.
- Overhauled backend architecture by transitioning from excessive embedding in a non-relational database to a streamlined model, resulting in an estimated 30-40% improvement in API response times and enhanced system scalability.
- Optimized database schemas with Mongoose ORM for efficient data modeling, storage, and retrieval

TYPE-JUMPER (*Lead Developer, JavaScript, Webpack, Canvas*)

[Live](#) | [GitHub](#)

Created an Interactive Game

- Developed an engaging typing game using vanilla JavaScript for game logic with Webpack employed to bundle and optimize application scripts.
- Enhanced user experience with vibrant platform designs and smooth animations utilizing CSS styling on Canvas library.

WORK EXPERIENCE

SHI INTERNATIONAL, INC.

May 2021 - Jan. 2023

(*Microsoft Operations Specialist*)

Innovated Sales Processing Systems

- Streamlined sales-to-purchase order auto-processing by using SQL in Dynamics AX and Excel's VLOOKUP for data reconciliation between AX and the Microsoft portal, enhancing accuracy and timeliness.
- Completed 100+ orders weekly, worth \$300,000, ensuring their accurate conversion into purchase orders and timely delivery.
- Facilitated prompt resolution of order-related issues by maintaining effective relationships with Microsoft representatives and sales team.

MCLEAN-FRANCISCAN CHILDREN'S HOSPITAL - CBAT UNIT

Nov. 2018 - Sep. 2019

(*Mental Health Specialist*)

Care Coordination and Intervention

- Managed 24 patients, coordinating and facilitating daily routines including medication administration, meal times, therapy sessions, and educational or enrichment activities, ensuring a structured and supportive environment.
- Applied crisis intervention techniques to manage and de-escalate disruptive behaviors, creating a safe, therapeutic environment for patients and staff.
- Assisted in training and orientation of 5 staff members, sharing expertise and promoting best practices for patient care.