SAM OH

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TECHNICAL SKILLS
Programming: Python, JavaScript, Ruby, SQL
Frameworks/Libraries: React, Node.js, Express.js, Rails
Databases: PostgreSQL, MongoDB
Tools & Technologies: Git, Webpack, Amazon S3, Docker, Jira

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

WORK EXPERIENCE
TRIBULATION SYSTEMS   **Sep. 2023 - Present**
(Volunteer Developer)
Advanced Platform Functionality and Infrastructure
- Enhanced UX by implementing dynamic, interactive UI components.
- Assisted in designing and developing Snowcrows public API to maintain backend service availability.
- Collaborated with the development team using Docker for containerization and Jira for project management and issue tracking.

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.