

Bryan Caldera

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WORK EXPERIENCE

NEXTracker Inc - Software development intern

Oct 2021 - Feb 2022, Fremont, CA

- Designed and developed a software tool to improve the efficiency of the firmware team by allowing them to analyze device logs with ease.
- Streamlined the process of viewing and filtering data from hundreds of text files into one centralized location with generated tables and charts. This contributed to a faster and more accurate diagnosis of bugs.
- Utilized React.js for the frontend web app and Node.js for the backend. Deployed using Nginx, Docker, and Jenkins to ensure a secure and continuous delivery of the software tool.

EDUCATION

San Jose State University - Software Engineering, M.S

August 2022 - Current

San Francisco State University - Computer Science, B.S

August 2017 - May 2021

PROJECTS

Restaurant Ordering System

- Programmed a full Node.js and Express server backend REST API and MySQL database. Launched using AWS EC2, S3, RDS. Deployed website that allows restaurants to manage their menus and accept orders from customers for pickup or dine-in.
- <https://github.com/BryanC21/RestaurantMan-backend>

Healthcare Database System

- Constructed a database model that would be used by a healthcare provider to manage and track resources such as appointments, prescriptions, patients and more. Implemented using MySQL and interacted through a Python console interface.
- <https://github.com/BryanC21/Python-MySQL-HealthCare-Management-System>

Gym Management Website

- Crafted dynamic React components and pages for employee interfaces, seamlessly integrated with REST APIs, and implemented robust user authentication and employee functionality in the development of a gym management system.
- <https://github.com/BryanC21/GymWebApp>

TECHNICAL SKILLS

- **Languages:** Java, JavaScript, Node.js, Python, C, C++, React.js, HTML, CSS, Android.
- **Databases:** MySQL, NoSQL, MongoDB, Redis.
- **Software Development:** Docker, Jenkins, Git, GitHub, Linux Servers, REST APIs, OpenAI/ChatGPT API, Data Structures and Algorithms, Object Oriented Programming, Agile Methodologies, Scrum, Software Design Patterns.
- **Cloud Services:** Amazon Web Services, EC2, S3 bucket, Lambda, RDS, CloudFront, Elastic Beanstalk, Elastic Load Balancer, Route53, DynamoDB, CloudWatch, IAM.