

Ruby Chang

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TECHNICAL SKILLS

- **Frontend:** JavaScript ES6+, HTML5, CSS, React.js, AJAX, Component-Based Architecture, Event Listeners, DOM manipulation
- **Backend:** Node.js, SQL (PostgreSQL), NoSQL (MongoDB), ORMs, Express.js, MVC, Authentication, Stress Testing & Scalability
- **System Design:** DevOps, Git, Feature Branch Workflow, AWS (EC2), Service Oriented Architecture (SOA), Domain-driven design

RELEVANT PROJECTS

PicknRoll | Product Manager, Engineer | React.js, MantineUI, Node.js, Express.js, MongoDB

2025

Client-driven web application that allows users to create and join pickup sports games in their area

<https://github.com/blueocean-cache-me-if-you-can/pickup-app>

- Facilitated contact between client and dev team to clarify requirements and deliverable timeframes
- Encouraged discussion to decide on tech stack and data structure and defined **40+ sprint plan tickets** to keep team motivated with manageable subtasks
- Transformed an idea from paper to webpage with **15 API routes** and **4 pages of frontend UI** with goals of reduced code replication and easy full-stack communication.
- Leveraged **Mantine UI** to build robust React components that could meet client expectations in a timely manner

Atelier Ratings & Reviews | Back-end Engineer | Node.js, Express.js, PostgreSQL

2025

Microservice for a retail web portal that gives specific reviews and metadata for a product

<https://github.com/Cache-Me-If-You-Can-org/Atelier>

- Architected an ETL process to transfer existing CSV data into a readable SQL database to continue persisting product data
- Addressed GET, POST, and PUT requests over 5 endpoints by making SQL queries and sending back manipulated JSON structured to conform to API expectations
- Deployed to **AWS** for production and verified performance by stress testing with dynamic payloads to simulate likely requests
- Achieved latency of 13ms under load of 1000+ requests per second in preparation for heavy, concurrent, user traffic by optimizing queries via indexing and denormalization

Wishwelly | Engineer | MongoDB, Express.js, React.js, Node.js, Puppeteer

2023

Wishlist aggregator that displays images and price of the item

<https://github.com/rchang825/wishwelly>

- Devised 5 schemas using **Mongoose** for MongoDB to organize data comprehensively while keeping pieces accessible, enabling more intuitive querying
- Utilized the **Puppeteer Node.js library** to **scrape data** from 3 existing sites and display associated, relevant information from multiple lists on one page
- Programmed 8 helper functions for web scraping to account for different website formats and reduce code complexity

PROFESSIONAL EXPERIENCE

Assistant Manager | Fuku Tea

2019 - 2022

- Streamlined closing procedures by establishing a delegated task list to **reduce overtime by over 50%** and maximize productivity
- Handled thousands of orders per day while upholding a two-step order verification process to promote brand standards of highly customizable yet fast and consistent service
- Led extensive training sessions for **20+ new hires** to master & uphold service protocols, quality standards, and safety regulations for each role they would need to adopt

Marketing Intern | Squirrel Hill Urban Coalition

2018 - 2020

- Fostered relationships with **100+ local businesses and community members** about campaigns for 2 magazines via email, mail, and door-to-door canvassing to increase new and repeated ad sales
- Designed infographics with Canva software for 4+ community events in collaboration with leadership to boost event visibility & interest

EDUCATION

Hack Reactor | Advanced Software Engineering Immersive Program

2025

- More **than** 1000+ hours of MERN stack coding training in an agile environment. Project-based learning included solo coding, pair programming, and team collaboration

University of Pittsburgh | BS in Psychology, minor in Computer Science

2021