Dyson Breakstone

Boulder, CO | (802) 595-0053 | DysonBreakstone@gmail.com | LinkedIn | GitHub

Self-motivated and detail-oriented software engineer with experience in web development and a focus on database and API. Experience in a small-team startup environment with every part of app development, including database design, UI/UX, webhooks, and client interaction. Passionate about using software to create opportunity and improve lives..

Skills

Ruby, Ruby on Rails, SQL, Postgresql, Git, Github, Redis, Sidekiq, Javascript, Typescript, ActiveRecord, HTML, CSS, Tailwind css, Bootstrap, REST API, API testing, AWS S3, Graphql, test-driven development, RSpec, Minitest, code optimization, MVC architecture, Agile software development, Graphql, continuous integration, qa/qc

---

Work Experience

SOFTWARE ENGINEER | Software for Research   Full-time Contract, Augt 2023 - Present
- Worked directly with researchers at Johns Hopkins University and the MD Anderson Cancer Center developing bespoke text messaging applications to provide interventions and collect secure data for long-term behavioral research studies.
- Engineered seamless integration with a third-party vendor to automate ordering and linking of API-enabled weight scales with an accompanying webhook to receive and store participant weight data.
- Implemented dynamic message selection algorithm based on participant data, enhancing the baseline functionality of the application.
- Redesigned researcher interface for text message content editing, facilitating efficient organization based on message selection criteria and implementing in-place editing without page navigation.
- Roughly doubled test coverage with meaningful unit and integration tests.

TRAVEL CT TECHNOLOGIST | Fusion Medical Staffing   Jan 2022 - Dec 2022
- Traveled to two level II trauma hospitals in OR and HI in order to meet the needs of understaffed radiology departments.
- Delivered life-saving diagnostic medical imaging in fast-paced hospital environments, communicating with a variety of medical staff and ensuring proper handling and delivery of secure patient data

---

Projects

Game Night - Web application for planning board game nights with friends or strangers | Repository
- Collaborated with front end team to create GraphQL API for BE-FE data transfer
- Implemented spatial indexing in database to quickly calculate and sort by distance between users and events
- Built feature utilizing AI integration to suggest board games to users based on existing collection

Platebook - Reddit-style internet forum Back End | Front End
- Implemented AWS S3 for image storage
- Integrated Google Perspective API to filter posts for threatening or hateful speech
- Built relational database and API endpoints following RESTful conventions

Bulk Discounts - Database-heavy mock e-commerce platform | Repository
- Web application built with Ruby on Rails using MVC and RESTful principles
- Utilized Activerecord database queries with PostgreSQL to efficiently store, combine and retrieve data

---

Education

BACK END ENGINEERING, TURING SCHOOL OF SOFTWARE AND DESIGN   Jan 2023 - Aug 2023
- 1,500 hours of practical programming experience over an 8-month intensive, ACCET-accredited software development program

ASSOCIATE'S DEGREE, RADIOLOGIC TECHNOLOGY - COMMUNITY COLLEGE OF DENVER   June 2017 - May 2019
- 3.97 GPA