

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, CSS, and client interaction. Passionate about using software to create opportunity and expand human potential.

Skills

- Ruby, Ruby on Rails, Python, Javascript, ActiveRecord, SQL, HTML, CSS, Bootstrap, REST API, API testing, AWS S3, GraphQL, test-driven development, behavioral-driven development, code optimization, Git, Github, MVC, Agile software development, REST, GraphQL, continuous integration, project management, quality assurance

Projects

Game Night - Web application for planning board game nights with friends or strangers | [Deployed Site](#) | [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 OpenAI to suggest games to users based on their existing collection

Platebook - License-plate based social media application | [Deployed Site \(server spins up slowly\)](#) | [Back End](#) | [Front End](#)

- Implemented AWS S3 for image storage
- Integrated Google Perspective API for language filtering
- 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
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Work Experience

SOFTWARE ENGINEER | Software for Research

Contract, Sept 2023 - Present

- Collaborated with a small team to design, plan, build, and maintain data-focused web applications for behavioral research studies conducted at institutions such as Johns Hopkins University, Harvard University, and MD Anderson Cancer Center
- Designed and executed modifications to the database schema, significantly improving the efficiency of data retrieval and transmission processes.
- Created custom dashboards for researchers to view and retrieve participant data, as well as alter participant attributes while maintaining secure and traceable database records.

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
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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