

Mark Gerken

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Full Stack Software Developer

A Software Engineer with a background in Administrative Management, Program Development, and Facilitation. My insatiable curiosity keeps me seeking out puzzles, problems, and challenges that inspire me to find solutions through creativity, critical thinking, perseverance, and collaboration. The speed of evolution in the tech industry excites me, and my passion for knowledge motivates me to adapt my skill-set to match the demands of the industry.

Technical Skills

HTML | CSS | Javascript | React | MongoDB | Express | Node | Python | Django | PostgreSQL | Mongoose | Git | Bootstrap | Postman

Exposure: React Native | AWS | Firebase | Redux | JQuery | SQL | Mocha | Chai | Sass | Wordpress | Docker | Jest

Technical Project Experience

Basecamp - a-lodge-basecamp.vercel.app/ | github.com/mgerken86/basecamp

- A single-page application providing Boulder Adventure Lodge guests gear rentals and a way to connect through a message board. Fetches local information on trails, restaurants, and weather.
- Full CRUD reservations, posts, and comments for users (JWT authentication). Full CRUD gear items for administrators.
- Built with Python, Django Rest Framework, React, and PostgreSQL. Back end deployed via Heroku, front end via Vercel.

Travel Companion - travel-companion-app-seir.herokuapp.com/ | github.com/mgerken86/Project-3-Travel-Companion

- A SPA built by myself (Project Lead) and two programmers that allows users to make full CRUD hotel reservations.
- Utilizes Place Autocomplete Google MapsAPI and Booking.com API to fetch current hotel availability by location.
- Built with MongoDB, Express, React, and Node. JSON Web Token authentication. Deployed via Heroku.

Coaches Corner - coachescorner.herokuapp.com/ | github.com/mgerken86/Climber-Fitness-Tracker

- A full-CRUD application that tracks your athletes' workouts and converts workouts to a rock-climbing grade.
- Developed RESTful APIs in a MVC Architecture. Session-based authentication through Express Session.
- Built with Node.js, Express, MongoDB, Bootstrap, and Liquid templates. Deployed via Heroku.

Trucker - mgerken86.github.io/Trucker-The-Anti-Frogger/ | github.com/mgerken86/Trucker-The-Anti-Frogger

- A 2D game consisting of three levels, each offering different layouts and gameplay mechanics.
- Built with Vanilla Javascript and HTML Canvas. Deployed via Github Pages.

Relevant Experience

Boulder Adventure Lodge | *Assistant General Manager, Program Director* | Boulder, CO Oct 2016 - May 2022

- Increased annual revenue from \$850k to \$1.3 million through supervision of daily operations and sales functions.
- Streamlined employee productivity through implementation of new management softwares, Asana and Cloudbeds.
- Handled any technical issues with property management software. Trained over 25 employees in software usage.
- Improved Booking.com average reviews-score from 8.1 to 8.8 / 10 by achieving resolution to customer complaints.
- Generated \$32k in profit through development of an Outdoor Recreational Guide program from ground up.
- Created program frameworks, established marketing, and facilitated as Lead Guide, receiving 100% positive reviews.

Philadelphia Outward Bound School | *Lead Instructor* | Philadelphia, PA Mar 2013 - Apr 2017

- Facilitated overnight expeditions for groups of 8 to 16 participants ranging from adjudicated youth, veterans, trauma victims, and inner-city teens. Led single-day programs for professional groups and 12-week in-class programs.
- Ensured safety of participants in backcountry settings while facilitating adventure sports in dangerous environments. Maintained a 100% graduation rate for all participants with zero injuries requiring evacuations.

Education

Software Engineering Immersive | General Assembly | Remote Aug 2022

Bachelor of Science in Recreation, Parks, and Tourism Resources | West Virginia University | Morgantown, WV Dec 2012