

# Mark Gerken

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[linkedin.com/in/markgerken86/](https://www.linkedin.com/in/markgerken86/) | [github.com/mgerken86](https://github.com/mgerken86) | Boulder, Colorado

## Full Stack Software Developer

A Software Engineer experienced in the full Software Development Life Cycle, from ideation to design to development to maintenance. Committed to writing maintainable code to implement software solutions and improve a product's functionality.

Adept at working in team environments to participate in quality assurance activities. Possessing a love for software development, a technical foundation, and a passion for knowledge that expedites the learning of new technologies.

## 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 | Wordpress | Docker | Jest

## Technical Project Experience

### Basecamp - [a-lodge-basecamp.vercel.app/](https://a-lodge-basecamp.vercel.app/) | [github.com/mgerken86/basecamp](https://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/](https://travel-companion-app-seir.herokuapp.com/) | [github.com/mgerken86/Project-3-Travel-Companion](https://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/](https://coachescorner.herokuapp.com/) | [github.com/mgerken86/Climber-Fitness-Tracker](https://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 Model-View-Controller (MVC) Architecture. Express Session authentication.
- Built with Node.js, Express, MongoDB, Bootstrap, and Liquid templates. Deployed via Heroku.

### Trucker - [mgerken86.github.io/Trucker-The-Anti-Frogger/](https://mgerken86.github.io/Trucker-The-Anti-Frogger/) | [github.com/mgerken86/Trucker-The-Anti-Frogger](https://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.
- Resolved any technical issues with property management software. Trained over 25 employees in software usage.
- Raised 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.
- Developed 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