

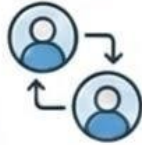


# Alpine Edge

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# The Alpine Edge Experience

- Connect with people



- Find your ski gear



- Chat with users



- Search Filters





# Key Features



## User Authentication:

Users can register, login, and their precise location is stored.



## Social Interface:

Users can create posts that anyone can see. They can also make connections with other users access a private chat.



## Search Interface:

We created search pages that allow for quick browsing of posts or specific filters for finding gear, including searching by distance.

# Key Technical Features

- Google Maps API
- Search by exact distance
- Secure connections
- Chat feature
- Image hosting
- Advanced filters and sorting
- Middleware



# Main Challenges

01

Real-time chat

02

Image storage

03

UI Interface





# Features to be added or improved

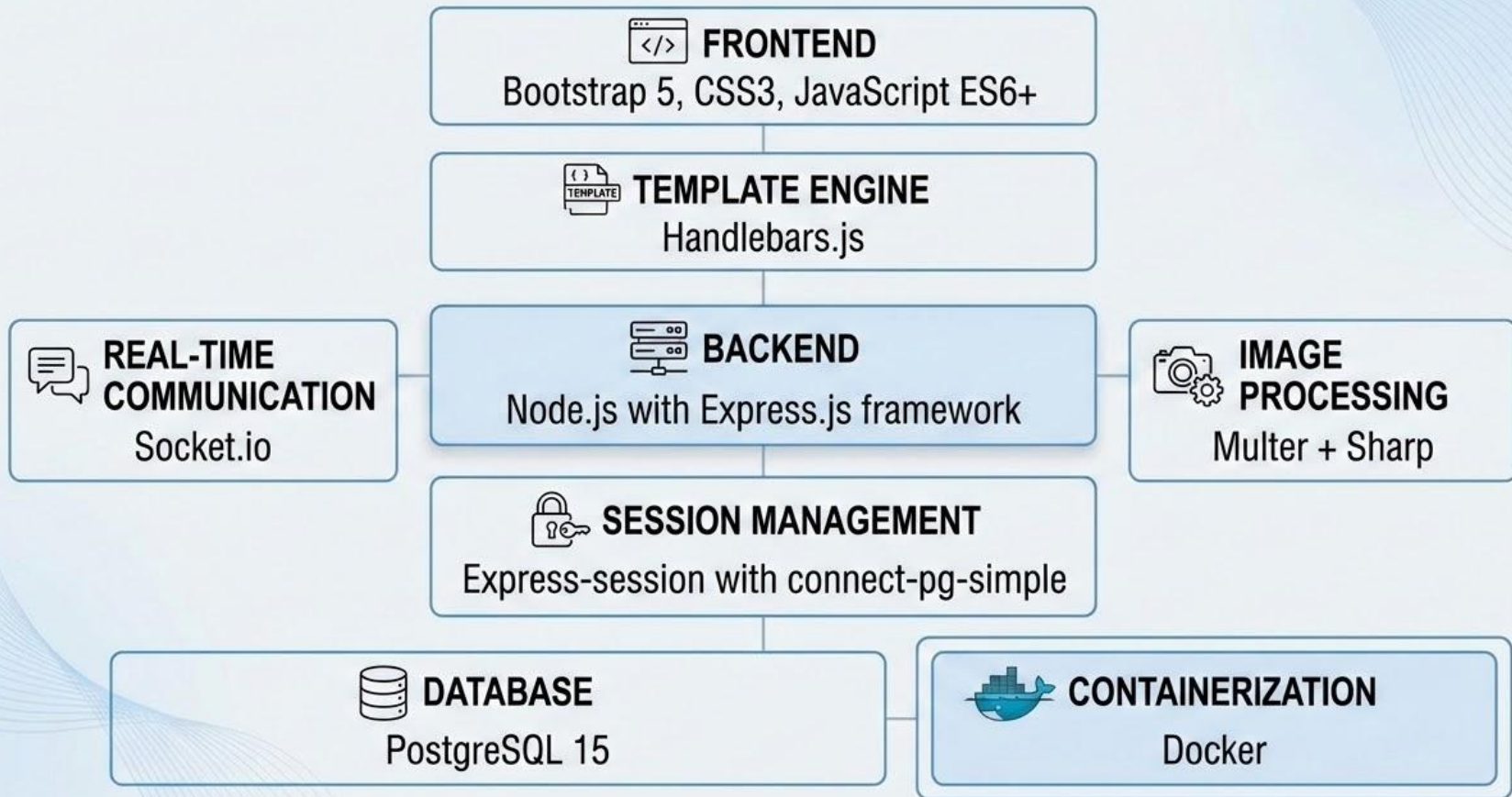
## Simple:

- Post editing
- Profile editing
- Stylish homepage
- Initial connection message
- Reviews

## More complex:

- Auto recommended search
- Advertisement placement
- Facebook marketplace scraping

# TECHNOLOGY STACK



# TOOLS USED



## DEVELOPMENT & MANAGEMENT

Github  
Github projects  
VSCode  
npm  
Docker  
Render  
Cloudflare



## BACKEND & API

Node.js  
Express.js  
HTTP  
Socket.io  
Nodemon  
Google Maps Javascript API  
axios



## DATABASE & ORM

PostgreSQL  
pg-promise



## FRONTEND & UI

Javascript  
Handlebars  
Bootstrap



## LIBRARIES & UTILITIES

bcryptjs	dotenv
multer	Mocha
sharp	chai



# TOOLS USED

**Github**

Version Control &amp; Collaboration

Rating: ? ★★★★★

**Github Projects**

Rating: ? ★★★★★☆

**Node.js**

JavaScript Runtime Environment

Rating: ? ★★★★★

**Javascript**

JavaScript Runtime Environment

Rating: ? ★★★★★☆

**Express.js**

JavaScript Runtime Environment

Rating: ? ★★★★★☆

**HTTP****HTTP**

HTTP

Rating: ? ★★★★★☆

**Socket.io**

Socket.io

Rating: ? ★★★★★☆

**Handlebars**

Handlebars

Rating: ? ★★★★★

**PostgreSQL**

Relational Database

Rating: ? ★★★★★

**pg-promise**

Relational Database

Rating: ? ★★★★★

**bcryptjs****multer****sharp sharp****axios****dotenv****Nodemon**

★★★★★ Rating: ?

**Mocha**

★★★★☆ Rating: ?

**chai**

★★★★☆ Rating: ?

**Docker**

Containerization Platform

★★★★★ Rating: ?

**Google Maps  
Javascript API**

Mapping &amp; Location Service

★★☆☆☆ Rating: ?

**Cloudflare**

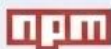
Cloudflare

★★★★☆ Rating: ?

**VSCode**

Code Editor

★★★★☆ Rating: ?

**npm**

Containerization &amp; Description

★★★★★ Rating: ?

**Render**

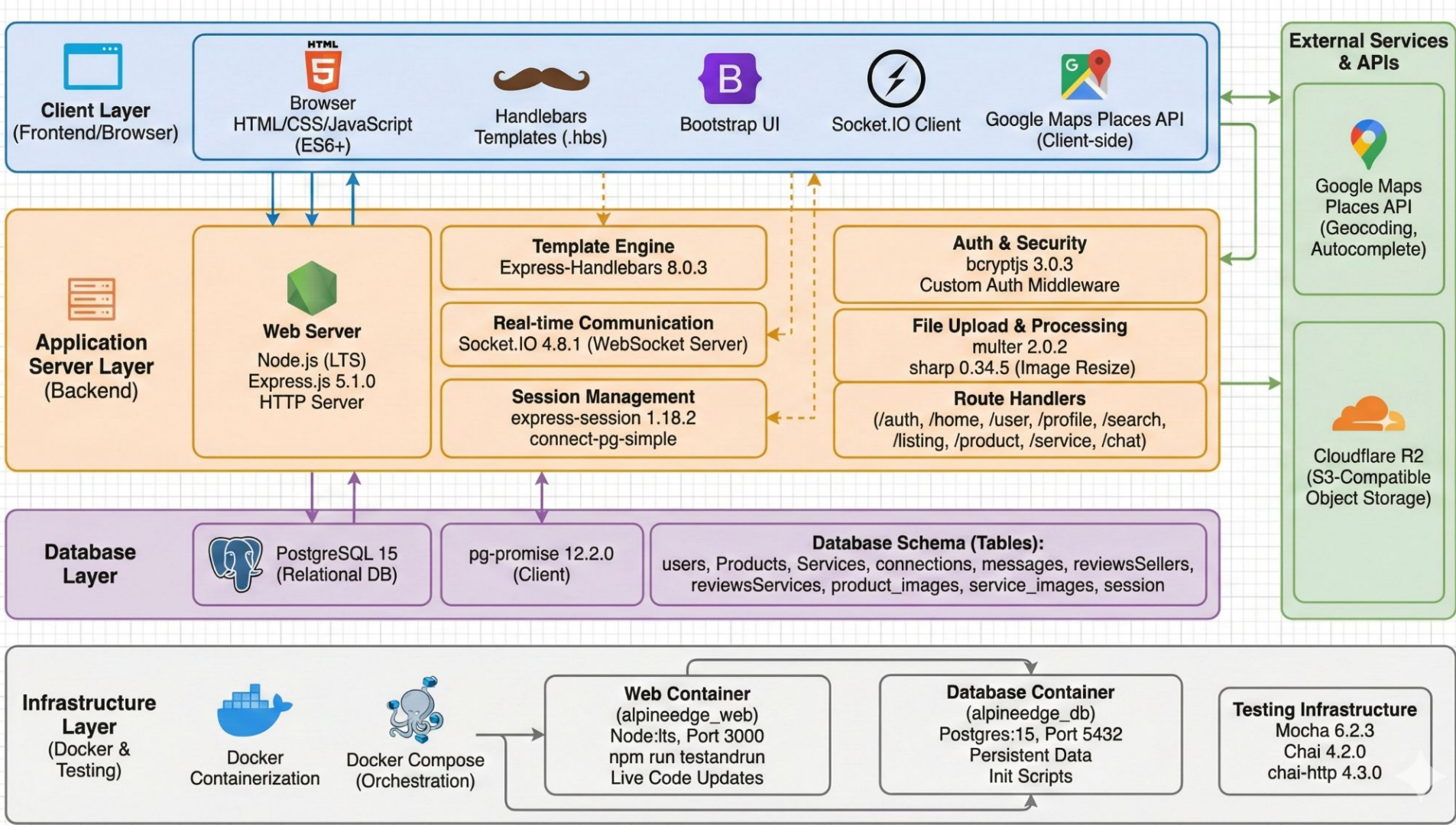
Render &amp; Connection

★★★★★ Rating: ?

**Bootstrap**

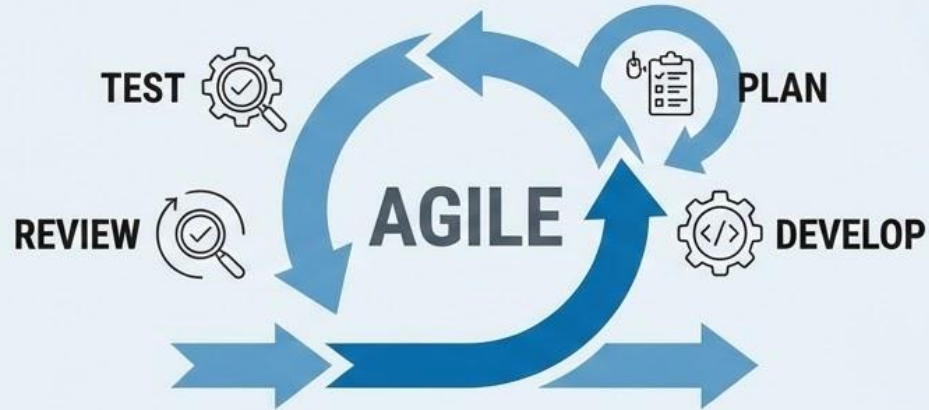
Bootstrap Development

★★★★☆ Rating: ?





# PROJECT MANAGEMENT TRACKING METHOD



Overall very effective, took sometime to get used to. Four stars.



# MEETING TIMES AND LOCATIONS



## WEEKLY GROUP MEETING

Time: 4:30 – 5:00 PM  
(Before Lab)



## TA FRIDAY MEETING

Time: 2:30 PM



Discussion on past miscommunications  
and future project plans.