

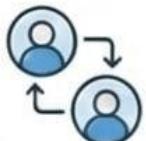


Alpine Edge

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The Alpine Edge Experience

- Connect with people



- Chat with users



Marketplace



- Find your ski gear



- 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

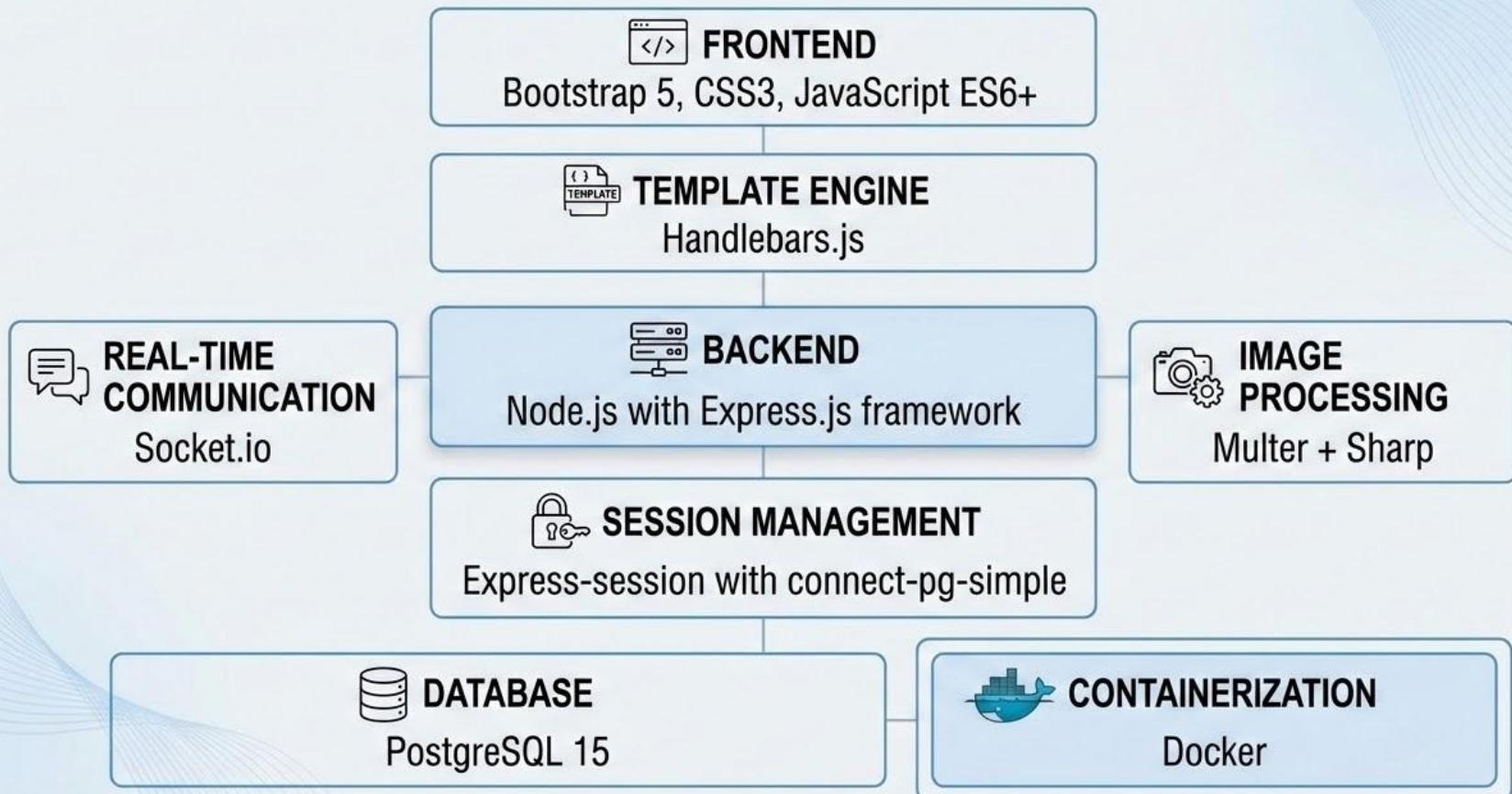
Simple:

- 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

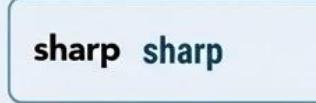
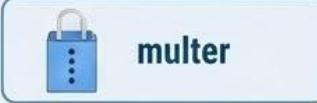
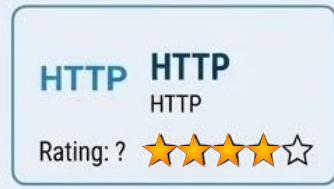
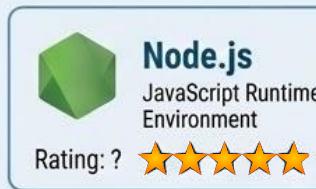
Javascript
Handlebars
Bootstrap

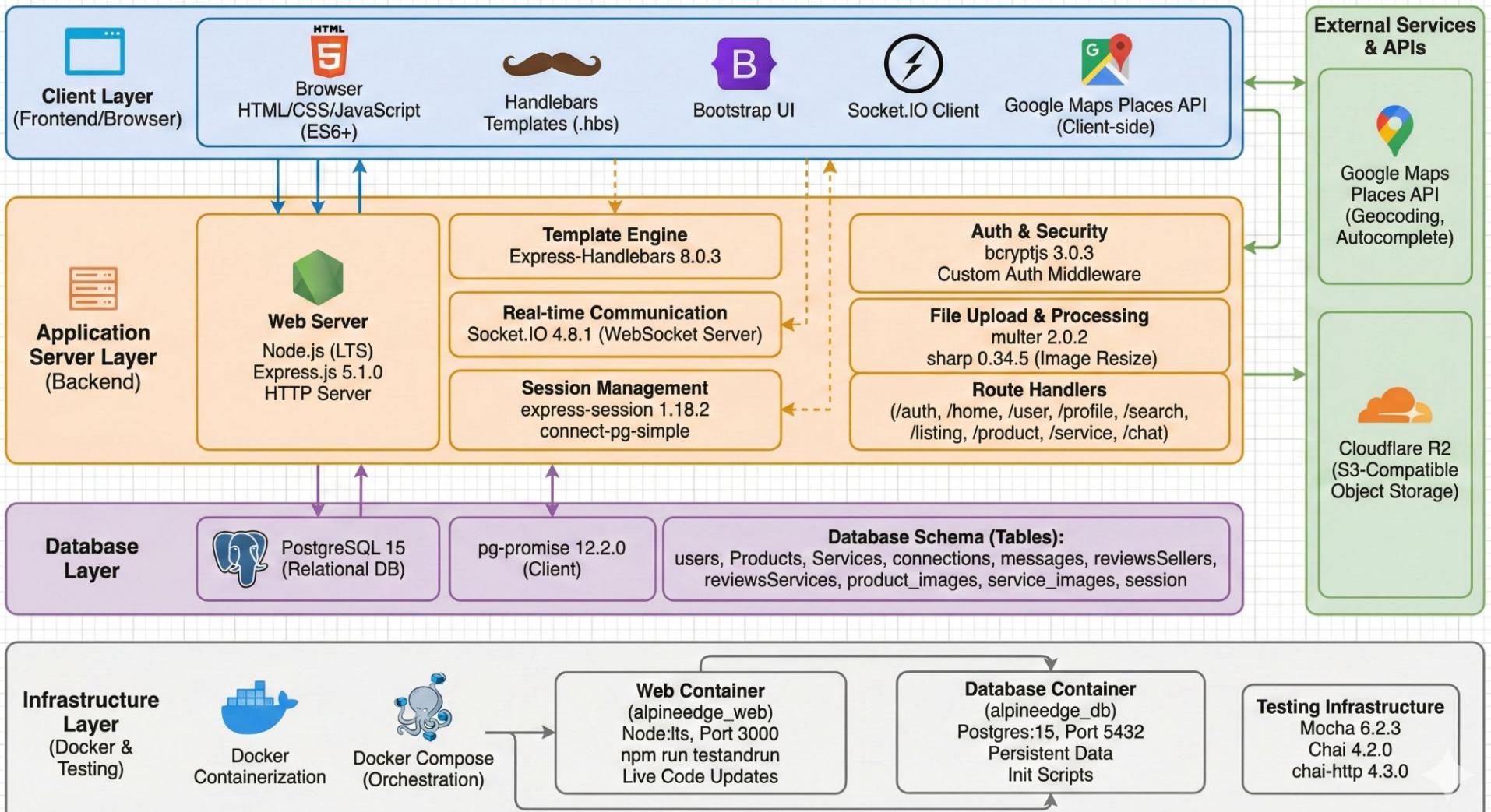


LIBRARIES & UTILITIES

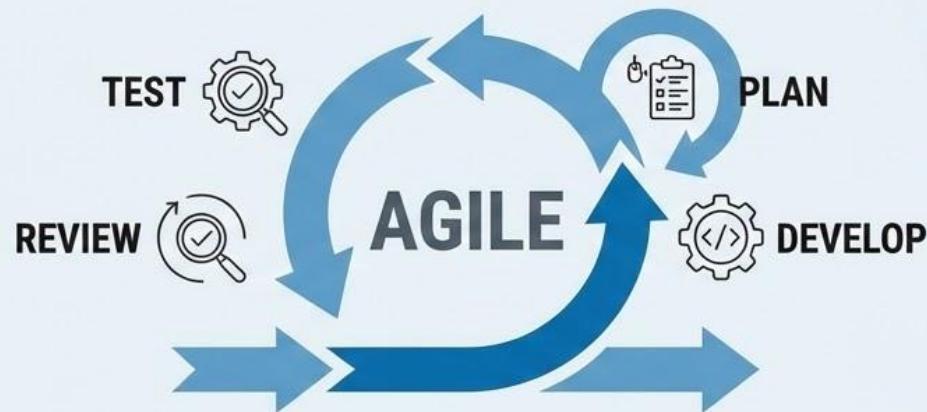
bcryptjs	dotenv
multer	Mocha
sharp	chai

TOOLS USED





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.