BoulderCoach (1/2) Smarter Training

Climbing without progress is frustrating:

- Late feedback
- No attempt-level tracking
- Rest gaps waste time

Solution (MVP)

A voice-first bouldering coach Al App



Pre/Post voice guidance



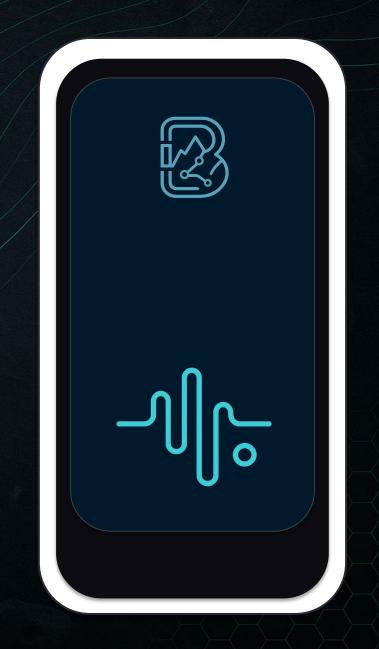
Distraction-free coaching



Instant logging (send, High Point, RPE)



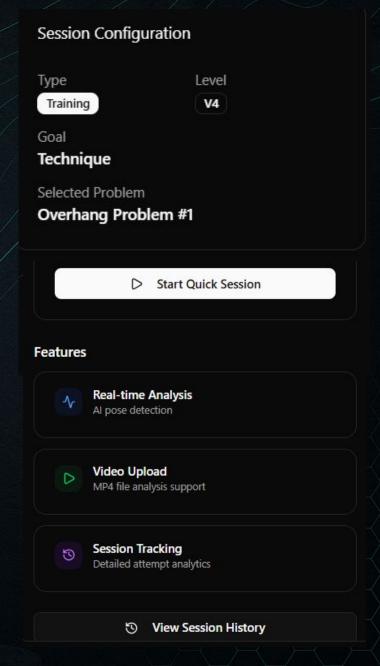
Adaptive plan on the spot



Start climbing in seconds Onboarding

- Ask only the essentials: name, level, goal.
- Personalized session from the very first attempt.
- No long forms, zero friction.





Session Flow



PRE (voice)



ATTEMPT



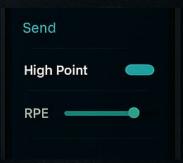
POST → REST → SUMMARY



Focus & setup
Beep start/stop



Video + 3 X 3 grid Silent climb



Adaptative rest & next try

Features

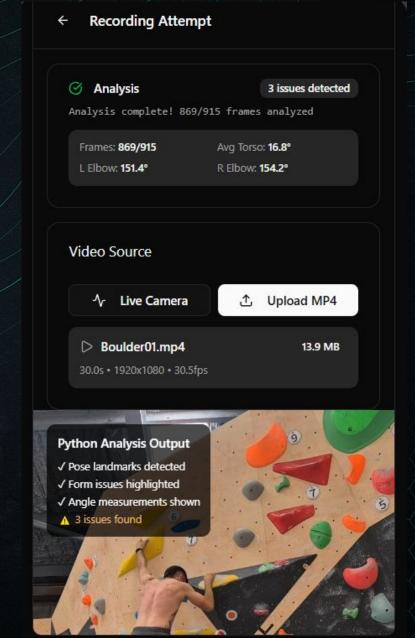
Pre-Session Checklist

- Camera/video ready
- Climbing holds visible
- Good lighting conditions
- Full body in frame

What Will Be Analyzed

- Elbow angles (overextension detection)
- Torso alignment and position
- Hip displacement from wall
- Overall body positioning

Real-time feedback will alert you to form issues as they're detected.



Voice & Adaptation



Your personal coach, always with you

- 10–15 precise cues per session
- Real-time performance check (RPE / High Point)
- Instant rest & strategy adjustments





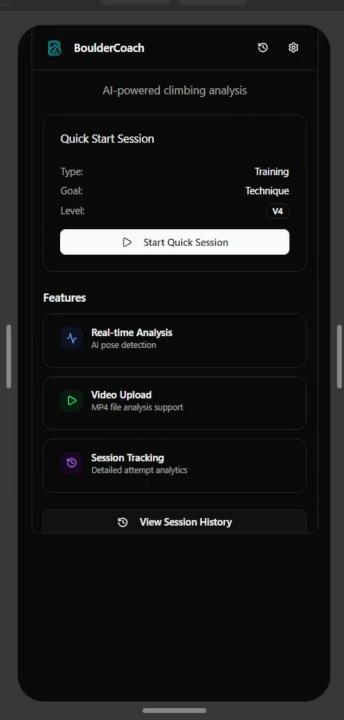
- Success or failure of each attempt
- High Point (0–100) to track real progress
- Perceived effort (RPE 1–10) for smart load management

KPIs | Session Results



- Send Rate (%) Percentage of successful attempts
- Best High Point Maximum progress achieved in the session
- Avg. RPE & Volume Perceived effort and total training load
- Improvement Trend Performance evolution over time

Demo





Technical Architecture



How it works

- PWA / React Native App instant access.
- ElevenLabs Voice fast & natural.
- Local DB data safe, even offline.
- Tool-calls instant logging & queries.

Roadmap



- Roadmap Next Steps
- Biometrics & wearables advanced tracking
- Menstrual cycle private & optional
- Camera + 2D pose live technical feedback
- Adaptive projects based on real data

Team and Next Steps – Roles and Roadmap

- Clear roles: dev, design, marketing, product
- Consult mentors for validation
- Prepare demo and pilot
- Post-hackathon goals: scale and measure success







QR Repo

QR Video