

Executive Summary

- Web app for building resumes with guided templates
- Includes login, builder, template gallery, and ATS keyword checker
- ATS checker compares a job description to the resume and suggests missing keywords
- Goal is faster resume creation with better job matching



Background

- Many resumes do not match job posting language, which hurts ATS visibility
- Students often struggle with formatting and describing skills clearly
- ByteBuddi combines structured templates with keyword feedback to help users tailor resumes

JOHN DOE

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PROFESSIONAL SUMMARY

Motivated student seeking opportunities to apply technical and problem-solving skills.

EDUCATION

University of Somewhere — City, ST
B.S. in Computer Science | GPA: 3.8
Coursework: Data Structures, Algorithms, Operating Systems, Database Systems, Software Engineering, Web Development, Computer Networks, Discrete Mathematics

PROFESSIONAL EXPERIENCE

TechCorp Inc — City State
Software Intern
• Developed small internal tools using JavaScript and React.
• Improved team workflow efficiency by 15%.

PROJECTS

Personal Portfolio Website (React, Node.js)
• Designed and deployed a personal portfolio site.
Course Planner App (React, Node.js, MongoDB)
• Built a web app to organize courses, deadlines, and study tasks.
• Implemented user authentication and cloud-based data storage.

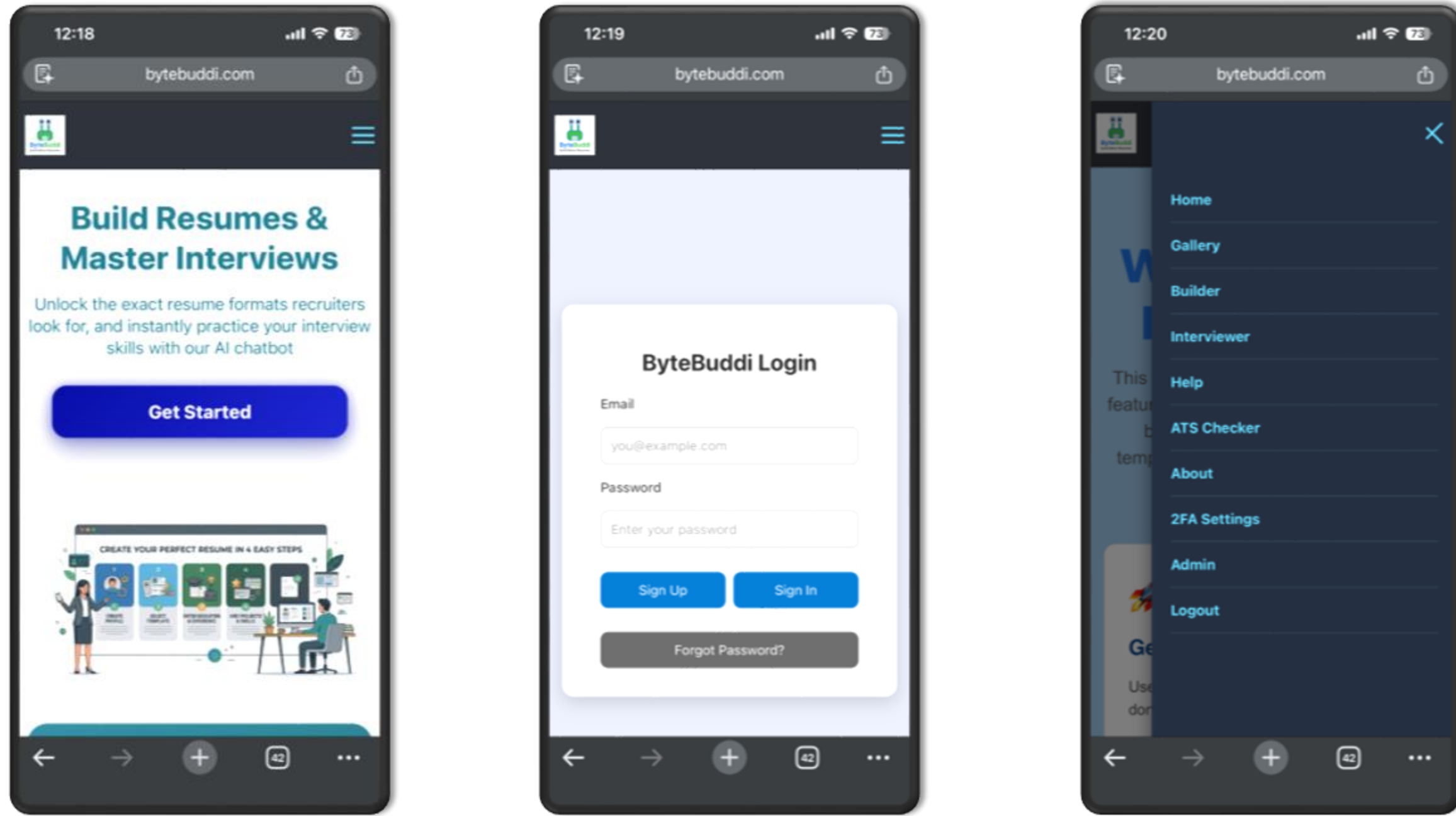
SKILLS

Languages: Python, JavaScript, Java, C++
Frameworks: React, Node.js, Express
Developer Tools: Git, GitHub, VS Code, Docker (basic)
Libraries: React Router, Axios, Tailwind CSS



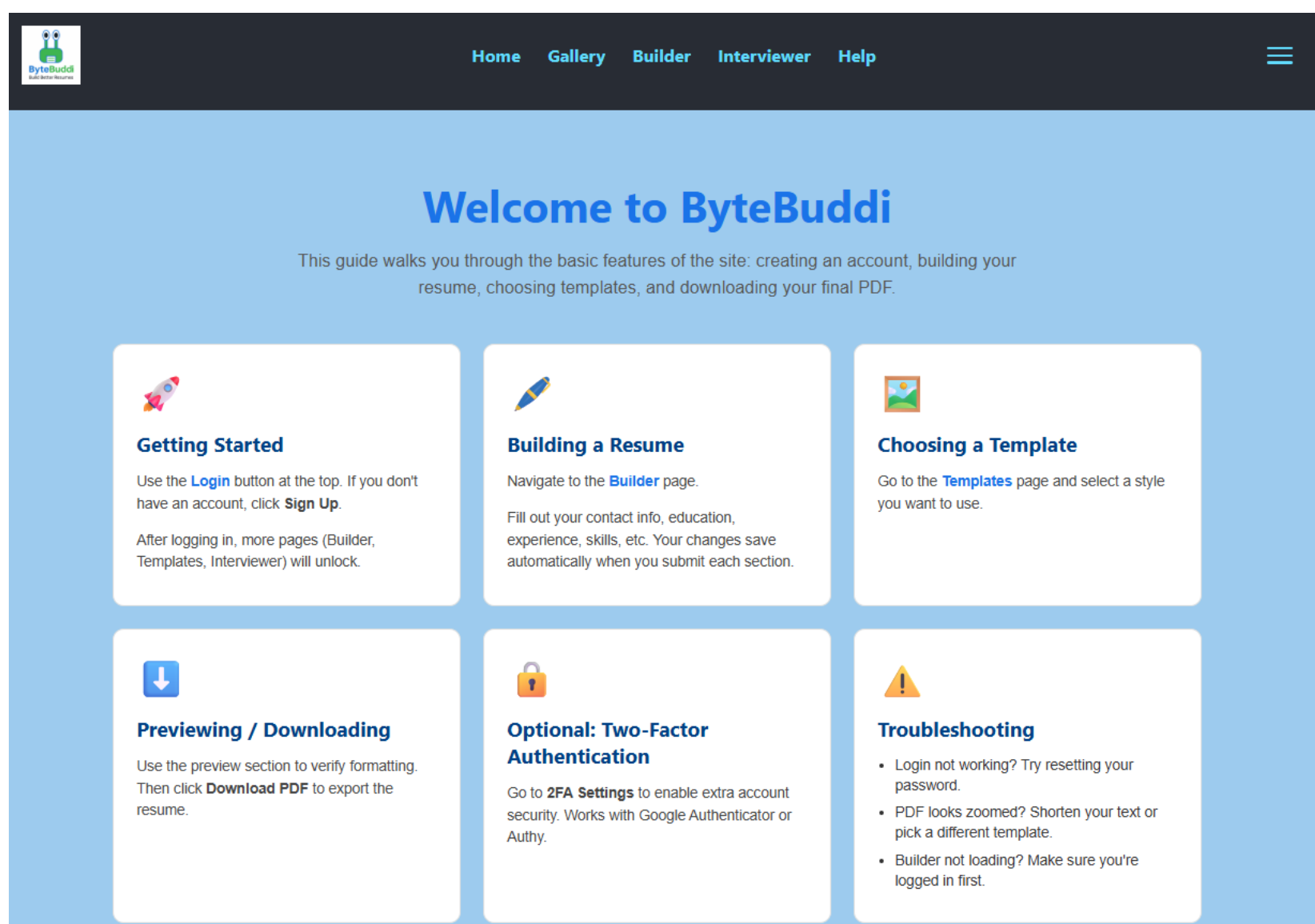
Experimental Setup

- Tested using multiple software internship job descriptions
- Compared suggested keywords against template resume content
- Validated core flows: login, template selection, edits, ATS checking
- Checked usability on desktop and mobile screen sizes
- Verified hosting and data persistence in the deployed environment



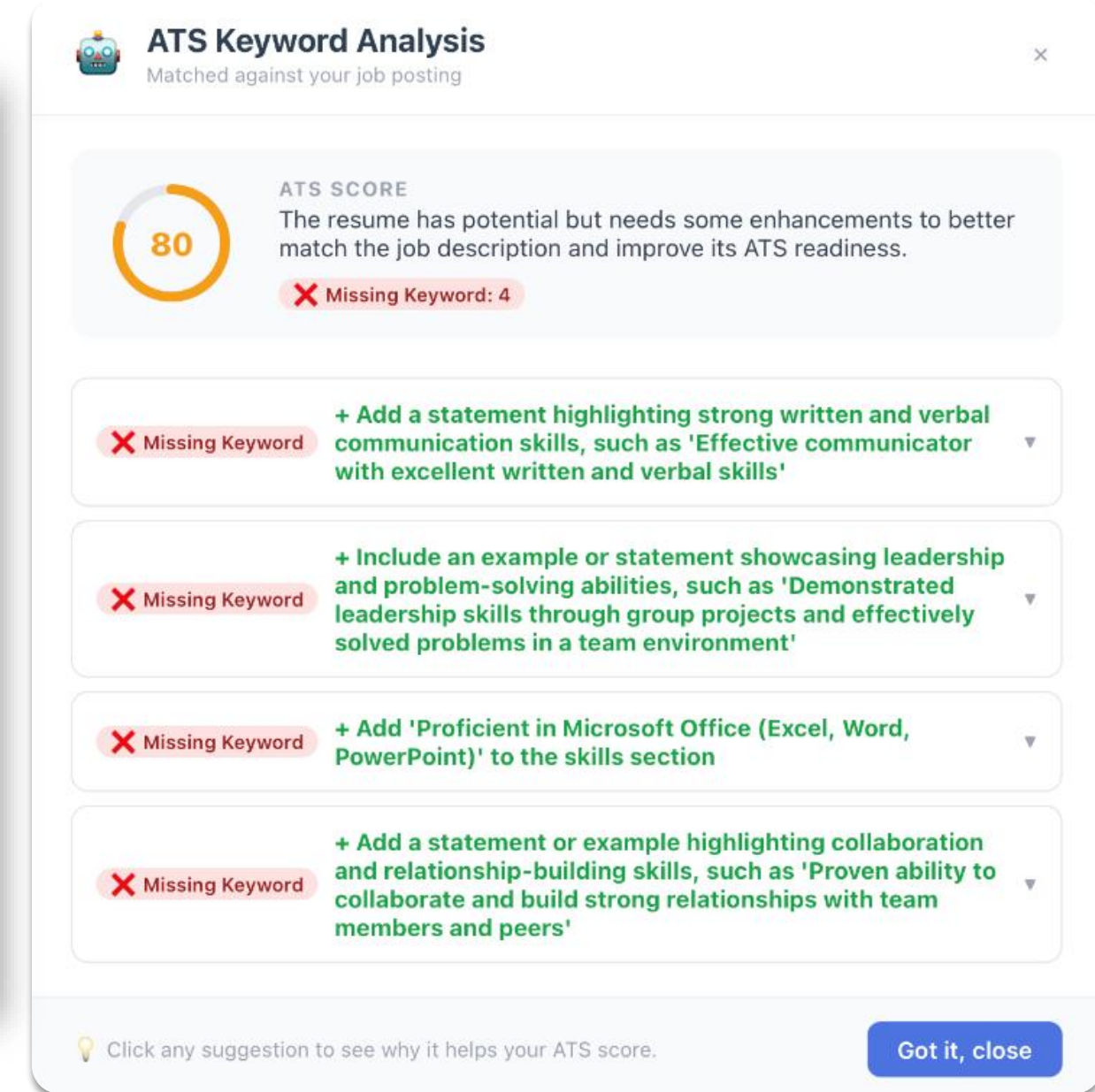
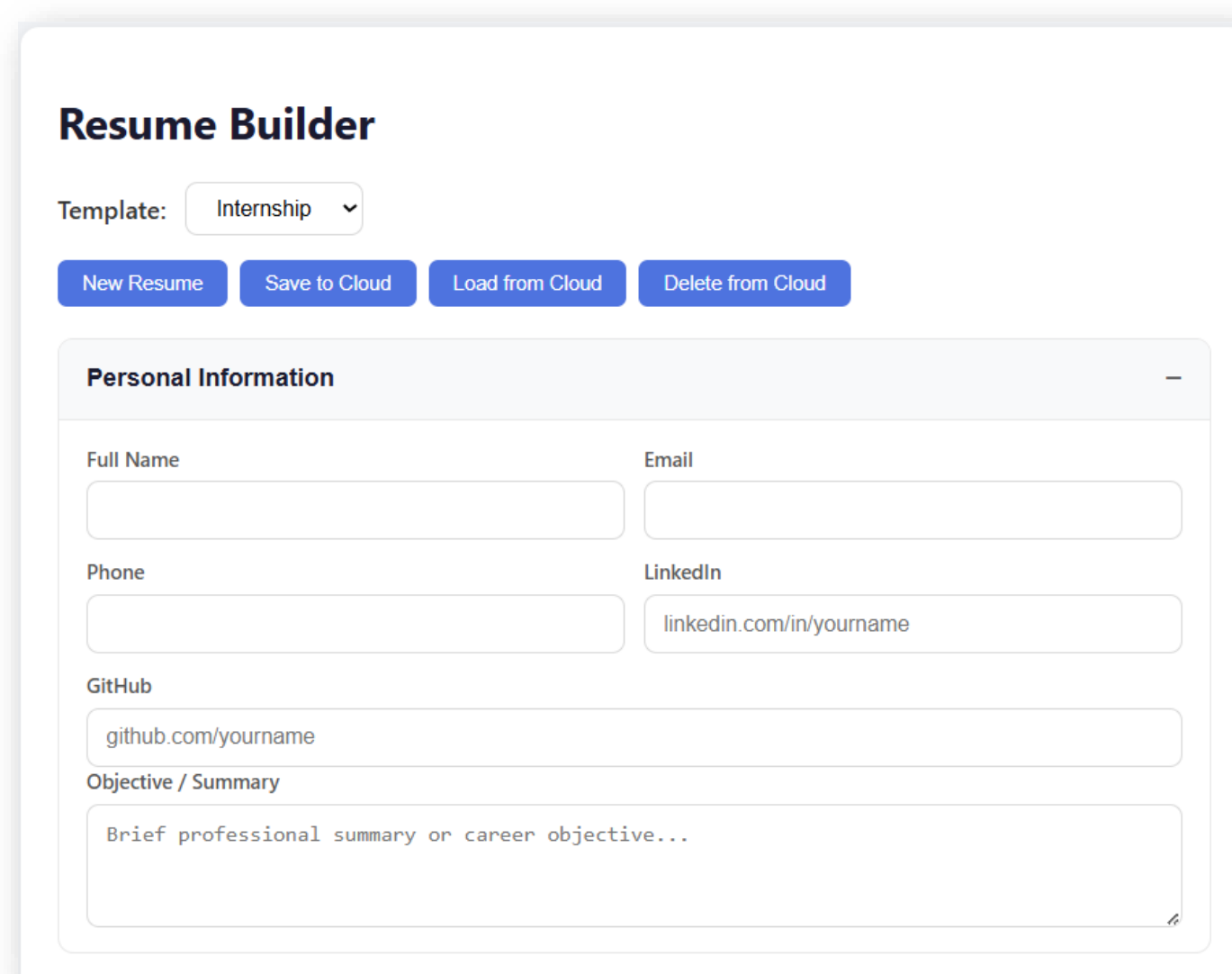
Experimental Test Plan

- Test categories
- Account creation and login
- Template selection and rendering
- Resume editing and export
- ATS checker job description input and analysis output
- Cross browser testing
- Mobile responsiveness testing
- Deployment validation
- Success criteria
- Users can complete a resume workflow without errors
- ATS checker returns a score and keyword suggestions
- Pages render correctly on common screen sizes
- No blocking bugs in core flows

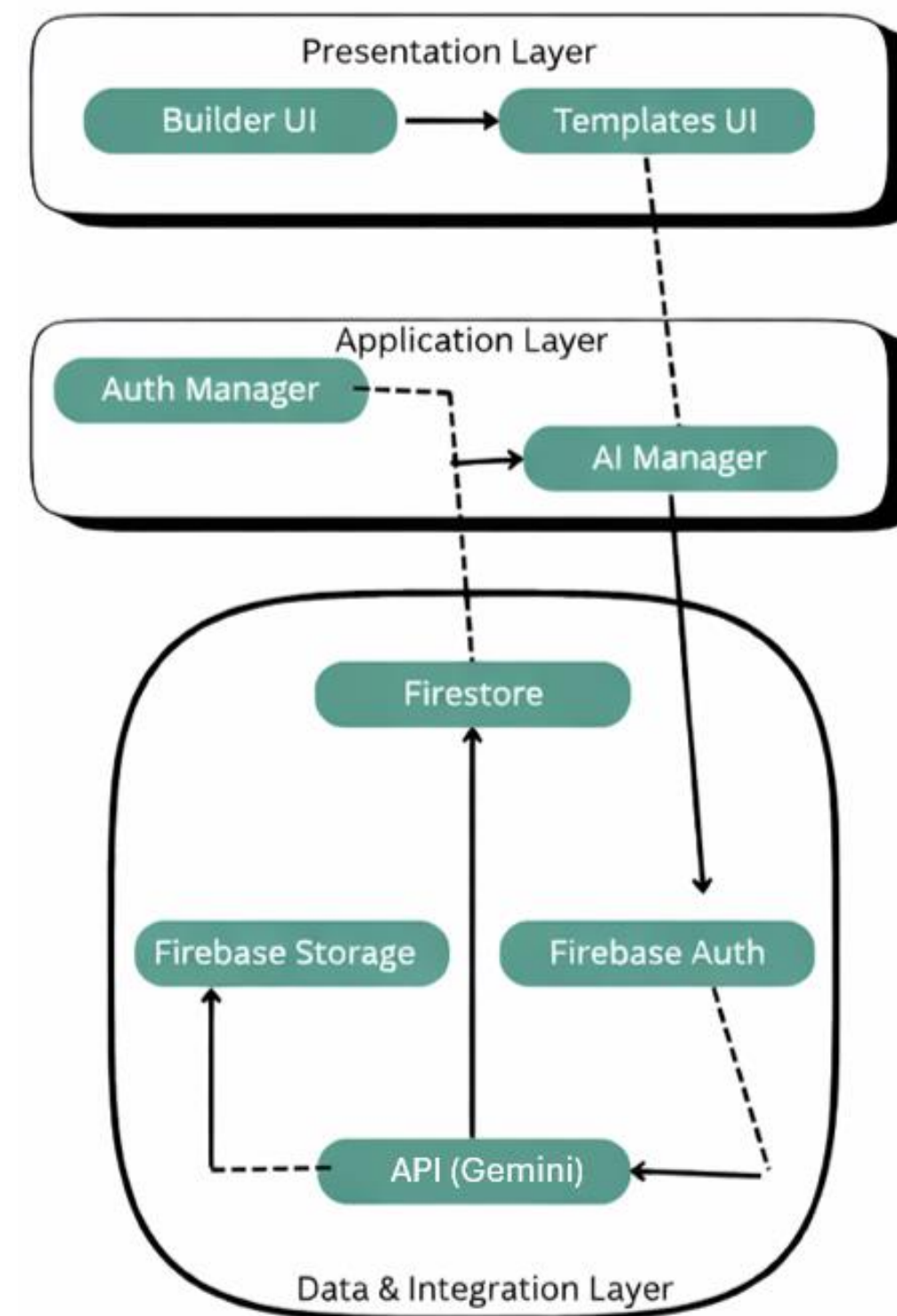


Experimental Results

- Template selection and resume preview work correctly
- ATS checker generates a score and missing keyword suggestions
- Core pages load reliably during typical user flows
- Remaining work: improve mobile layout, tighten responsiveness, standardize deployment steps



Conclusions



- ByteBuddi supports resume building with job specific keyword guidance
- Current build works end to end for the core workflow
- Next steps: mobile polish, deployment consistency, broader testing coverage

References

- Groq API Documentation
- Firebase Documentation, including Firestore, Authentication, and Hosting
- React Documentation
- React Router Documentation