Bailey Beck
Software Engineer

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SUMMARY
I am a creative, full-stack software engineer that strives for simplicity and functionality. I am passionate about identifying problems and creating robust solutions. My previous experience as an FAA certified flight instructor allowed me to fortify my exceptional people skills and perform technical and practical tasks in a leadership role. I truly enjoy and take pride in designing functional applications and creating a welcoming user experience.

SKILLS
Languages: Ruby, Node.js, Python, JavaScript, HTML, CSS, SASS, SQL, Mongoose, JSON, EJS
Libraries and Frameworks: Ruby on Rails, React, Express.js, Django, Bootstrap
Databases and other: PostgreSQL, MongoDB, RESTful Routing, JSON API
AI: Prompt Engineering, Multimodal Prompting, AI Prompting, Data Analysis
Interpersonal skills: Solution-driven, Adaptable, Bilingual Communication, Effective Communicator, Detail-oriented, Team Collaboration, Leadership

TRAINING/CERTIFICATIONS
Software Engineering Immersive | General Assembly | Remote | 5/2024 – 8/2024
Completed an intensive, twelve-week, 420+ hour program focused on frontend, backend, and full stack application development. Developed a portfolio of independent and collaborative projects. MongoDB, Express, React, Node.js (MERN) Stack.

Learn Enough: Ruby on Rails Tutorial | Learn Enough | Remote | 2/2025

Google Prompting Essentials | Google | Remote | 11/2024

Ultimate JavaScript Part 2: Advanced Topics | Code with Mosh | Remote | 11/2024

Ultimate JavaScript Part 1: Fundamentals | Code with Mosh | Remote | 10/2024

Crash Course: Build a Full-Stack Web App in a Weekend! | Udemy | Remote | 3/2024
Completed a 13+ hour remote course on the fundamentals of building a full stack web application.

SOFTWARE DEVELOPMENT PROJECTS
Plane Spotter | [Website](#) | [GitHub](#) | Technologies used: **Django, Python, Bootstrap, PostgreSQL**
- Developed a full stack plane spotting application with a focus on a user-friendly experience
- Implemented the Bootstrap framework to streamline design and display uniformity

Passport | [Website](#) | [GitHub](#) | Technologies used: **MongoDB, Express, Node, JavaScript, CSS**
- Developed a functional **MEN** stack (**MongoDB, Express, Node**) passport application in which users can log and store their international travel details
- Built a full stack application in 1 week with full **CRUD** ability and using all RESTful **API** calls

Gardener's Guide | [Website](#) | [GitHub](#) | Technologies used: **React, MongoDB, Express, Node, JavaScript, CSS/SASS**
- Collaborated with a team of 3 developers to create a plant and garden user application
- Performed the **GitHub** Project Manager role throughout the duration of the project
- Utilized a **MERN** (**MongoDB, Express, React, Node**) stack to build a full stack application with full **CRUD** ability and using all RESTful **API** calls

Wordle | [Website](#) | [GitHub](#) | Technologies used: **HTML, CSS, JavaScript**
- Developed a functional web-game in which users must guess a hidden word in a limited amount of attempts

- Implemented game logic utilizing JavaScript for real-time word validation, guess tracking, and immediate feedback on guess accuracy with color-coded hints

PROFESSIONAL EXPERIENCE
Assistant Greenhouse Manager | Mahoney's Garden Centers | Brighton, MA | 8/2023 – 7/2024
- Effectively organized and processed incoming shipments, ensuring timely restocking and quality control
- Demonstrated strong logistical and operational skills, resulting in enhanced inventory turnover and consistent profit growth
- Provided expert and guided customer service on plant care and selection, leading to increased customer satisfaction and retention

FAA Certified Flight Instructor | East Coast Aero Club | Bedford, MA | 2/2021 – 11/2023
- Led expert flight and ground instruction that met the needs of the individual student, producing an effective learning environment
- Achieved a 100% success rate with my students' pilot tests and certifications
- Selected to train new instructors on flight procedures and strict FAA safety standards, leading to increased performance and safety in company operations
- Chosen to perform rigorous and un-biased training evaluations on students from other instructors, resulting in increased student success rates

EDUCATION
Bachelor of Art, General Biology | University of California | Santa Cruz, CA | 2016

ACCENT | Madrid, Spain | 8/2015 – 12/2015
Completed a one-semester program abroad with a focus on Spanish language, history, and culture.