

Bailey K. Henderson

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Certifications

Harvard CS50

Phoenix, Arizona

Computer Science

- o **Concentrations:** Algorithms, Data Structures, Resource Management, Security, and Web Development
- o **Focus On:** C, Python, SQL, JavaScript, HTML, and CSS
- o **Related Coursework:** Projects focusing on Data Structures, web development, SQL, and optimizing code

Scrimba

Phoenix, Arizona

Front-End Development

- o **Concentrations:** Front-end web development and best practices
- o **Focus On:** JavaScript, HTML, CSS, React, API's, and Accessibility
- o **Related Coursework:** Over 80 hours of hands on tutorials, hundreds of coding challenges, and over a dozen of real-world projects

Meta

Phoenix, Arizona

Back-End Development

- o **Concentrations:** Back-end development and best practices
- o **Focus On:** Python, Linux, SQL, Cloud Hosting, API's, JSON, and XML
- o **Related Coursework:** Over 196 hours of hands on learning as well as multiple quizzes, tests, and real-world projects

EXPERIENCE

Freelance

Phoenix, Arizona

Front-End Developer

Feb 2024 – Current

- Delivered custom solutions tailored to client requirements, leveraging JavaScript, HTML/CSS, and React
- Optimized project performance, focusing on load times, SEO, and accessibility to improve overall user experience
- Managed entire project lifecycles, from initial concept and design through deployment and post-launch support

Cruise Automation

Phoenix, Arizona

Vehicle Software Integration Engineer

Sept 2023 – Feb 2024

- Executed comprehensive procedures utilizing Linux and Python to brand vehicle cameras, radars, and lidars
- Played a key role in boosting production output by 100% through efficient teamwork and process optimization
- Utilized python and testing best practices to troubleshoot and debug vehicle software issues leading to a decrease in vehicle downtime

PROJECTS

DevFusion

Phoenix, Arizona

I built DevFusion as a web platform to facilitate seamless project collaboration for software teams

Oct 2024 – Nov 2024

- Designed and implemented a secure invite-based contributor management system to control project access, ensuring only authorized team members can collaborate
- Developed a real-time chat feature within each project dashboard using Supabase Realtime, providing team members with automatic code detection capabilities, mention feature, and file sharing.
- Integrated GitHub OAuth for repository connections, enabling contributors to view commits, track changes, and visualize progress directly from within DevFusion

Nature Shot

Phoenix, Arizona

Nature shot is a sleek and responsive photography portfolio built using React, JS, and Tailwind CSS

June 2024 – July 2024

- Optimized performance by utilizing lazy-loading techniques for images, providing fast loading times and a smooth browsing experience, especially for media-heavy content
- Designed an intuitive gallery with responsive layouts that adapt to desktop, tablet, and mobile views allowing me to deliver an optimal user experience

SKILLS

Programming: JavaScript, TypeScript, HTML/CSS, Tailwind CSS, React, Python, PostgreSQL, Node.js, Express.js

Tools: VSCode, Git, Bootstrap, Figma, Vitest, Jest, Agile