

BAILEY HENDERSON

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SKILLS

Skills: JavaScript, TypeScript, HTML/CSS, Tailwind CSS, React.js, Next.js, Node.js, Express.js, Python, Postgres, REST APIs, Git, Bootstrap, Figma, Jest, Vitest, CI/CD

PROFESSIONAL EXPERIENCE

Proteclly

Software Engineer

Phoenix, AZ, USA

January 2025 - Present

- Architected and deployed the front-end codebase using React and Tailwind CSS, establishing the foundational repository that became the production framework
- Designed and implemented multiple high-visibility pages including Terms & Conditions, Privacy Policy, Report a Phish feature, and a dynamic RSS-powered Articles page
- Engineered performance optimizations reducing page load time by 35% and implemented animations for the landing page, resulting in enhanced user engagement and visual appeal

Freelance

Software Engineer

Phoenix, AZ, USA

February 2024 - February 2025

- Developed 8+ custom web applications using React, JavaScript, and Tailwind CSS, delivering complex features including real-time data synchronization and achieving 95% client satisfaction rate
- Engineered and implemented performance optimization strategies including advanced code splitting and resource prioritization, yielding 40% improvement in core web vitals
- Integrated third-party APIs and managed secure authentication workflows for client applications

Cruise

Vehicle Software Integration Engineer

Phoenix, AZ, USA

September 2023 - February 2024

- Implemented Python scripts that automated vehicle sensor calibration, reducing setup time by 50%
- Collaborated with cross-functional teams to optimize production processes, contributing to 100% increase in output
- Developed comprehensive automated testing procedures, resulting in 60% reduction in software debugging time
- Maintained 99.9% uptime for vehicle software systems through proactive monitoring and rapid issue resolution

PROJECTS & OUTSIDE EXPERIENCE

RAVN - [Link to project](#)

- Built a mobile-first food discovery app in React Native using the Google Places API to help users find dining spots along routes or nearby, improving trip-based food discovery experiences
- Implemented interactive map clustering, dynamic filters (cuisine, distance, open now), and animated modals to enhance UI clarity and reduce user decision time
- Integrated real-time location services and native map linking, allowing users to navigate to restaurants with one tap, streamlining the search-to-navigation process

Nature Shot - [Link to project](#)

- Engineered a fully responsive photography portfolio using React and Tailwind CSS, ensuring seamless performance and layout consistency across mobile, tablet, and desktop devices
- Translated high-fidelity Figma designs into clean, accessible, and reusable UI components, showcasing strong visual design implementation and pixel-perfect precision
- Optimized front-end performance with responsive images, lazy loading, and code-splitting, cutting page load times by over 40% and improving Lighthouse scores

DevFusion - [Link to project](#)

- Architected full-stack collaboration platform using React, Node.js, and Supabase (Auth, Database, Storage)
- Engineered enterprise security system using JWT authentication with refresh token rotation and role-based access control
- Developed real-time collaboration features supporting 20+ concurrent users with code-aware chat and file sharing
- Integrated GitHub API for repository tracking and commit visualization using React Context API and custom hooks