

Rachel Hall, **Full-Stack Software Engineer**

rachelraspberrypie@gmail.com | 251-472-5419

EXPERIENCE

Queue, Austin. — *Software Engineer*

December 2024 - Present – *Full Stack Mobile Developer*

- Built a styled component library to standardize UI elements and match **Figma** designs, using **React Native** and **TypeScript**, improving design consistency and reducing redundant code.
- Optimized performance and API efficiency by refactoring list components from **ScrollView** to **FlatList** and implementing caching with **TanStack Query**, leading to faster load times and smoother interactions.
- Redesigned profile swiping and engagement features, including dating app-style swiping, in-chat profile views, and a modal for liking/commenting on profile elements, using **React Native**, **Reanimated**, and **Firestore**, increasing user interaction.
- Enhanced chat experience with auto-populated conversation starters and an options menu for chat management, improving first-message engagement and user control.
- Streamlined navigation and authentication by refactoring app routes, improving login flows, and implementing component reset logic, using **React Navigation**, **Firestore Auth**, and **React Context**, ensuring a seamless user experience.

Founders Network, San Francisco — *Software Engineer*

April 2024 - November 2024 – *Full Stack Developer*

- Worked full-stack, standardizing frontend code and optimizing the Python API integration with **HubSpot** to fix profile data inconsistencies, ensuring customers received membership renewal notifications.
- Redesigned profile settings, replacing a long, error-prone form with a streamlined experience inspired by **Airbnb** and **LinkedIn**, improving usability and error handling.
- Replaced a complex **Redux**-based state management system with **React Query**, improving data caching, error handling, and app responsiveness with optimistic updates.
- Implemented real-time chat with **WebSockets**, adding typing indicators and read receipts to eliminate the need for manual refreshes.
- Led a full-stack revamp of the billing system, integrating **Stripe** for a smoother payment experience, and redesigned the membership application form, reducing incomplete submissions by condensing it from three pages to one.

Rebellion Defense, Washington D.C. — *Software Engineer*

February 2023 - January 2024 – *Full Stack Developer*

- Built a full-stack application for battle managers to adjudicate targets and submit battle plans at scale, integrating **Next.js**, **GraphQL**, **Python**, and **TypeScript**, which streamlined decision-making and improved data visualization.
- Created a **Python GraphQL** API using **Strawberry GraphQL** to deliver real-time target and asset data, enhancing frontend data accessibility for mission-critical operations.
- Developed a **Vue.js** app for geospatial data visualization, using **Leaflet.js** and **D3.js** to display drone radar data, enabling real-time situational awareness for mission planning.
- Mentored a junior engineer transitioning from hardware to software, providing guidance on

- React and frontend best practices, accelerating their development into a full-stack role.
- Acted as a product designer/manager by reviewing Air Force-provided spreadsheets to define product requirements and conducting extensive research on military assets and processes to fill in gaps, driving the product roadmap for major features in collaboration with cross-functional teams.

Zenlist Inc, San Francisco — *Software Engineer*

August 2020 - June 2022

- Learned React Native on the job to join the mobile app team and worked asynchronously with the developers across multiple timezones..
- Worked with backend engineers to implement a proprietary chat platform based on product designs that included sharing media, internal links and group messaging with push notifications.
- Worked independently to implement designs for the profile section in the latest release of our web app that allows 65,000+ users to update personal info, notification settings, Stripe billing, MLS memberships and Zapier integrations.
- Built a custom library of styled components based on our product style guide and implemented Storybook to document their use cases.

EDUCATION

Baylor University, Waco, TX — *Masters of Music in Piano Pedagogy and Performance*

Auburn University, Auburn, AL — *B.A. in Piano Performance • B.A. in Spanish*

SKILLS

React, React Native, Next.js, Vue, Redux, GraphQL, Typescript, Storybook, Figma,, Leaflet, Wordpress, PHP, HTML, CSS, Python, Django, Premiere Pro, Photoshop, Spanish