

# Forest Welch

## Software Engineer



Working to make the digital world more intuitive.

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### EXPERIENCE

#### Rula Health 2025

- Enabled self-serve in-person appointment booking with location search, Google Maps integration, and appointment slot availability display, increasing patient starts by 20%.
- Enhanced search results and therapist profiles to help patients find the right fit, unifying provider data from multiple sources and surfacing AI-streamlined bios, style tagging, and provider specialties, resulting in a 10% lift in completed bookings—the largest in company history.
- Built internal debugging tools for search ranking algorithms, Amplitude event tracking, and Storybook UI component development, streamlining cross-team developer workflows.

#### BuildVision 2023 – 2024

- Drove the development of initial views using Next.js, Nest.js, and Postgres as the second engineer hired. Successfully built version 1, enabling an on-time launch and securing pre-seed investment.
- Replaced internal querying system with RTK Query, optimizing data retrieval with features such as caching, pagination, and search filters, reducing API load times by 40%.
- Built a component specification tool to streamline data entry, saving the CEO 10 hours weekly.

#### Autodesk 2020 – 2022

- Spearheaded an org-wide localization initiative, doubling the user base and expanding the app globally. Designed a centralized i18n system and organized workshops to ensure consistent string localization.
- Implemented a user event tracking system and used LaunchDarkly A/B testing with Snowflake analytics dashboards to optimize the onboarding flow, resulting in a 15% increase in successful registrations.
- Streamlined the frontend CircleCI pipeline, reducing build and deployment times by 50%.

#### BuildingConnected 2018 – 2020

- Overhauled the React component library, reducing size by 30% and increasing functionality by 50%. Unified and standardized typography and documented best practices at design.buildingconnected.com.
- Migrated internal tools from Angular to React, enhancing performance and usability. Saved 20 hours weekly for the Customer Success team and safeguarded \$1.5M in contracts.
- Owned the development of the estimated cost feature, a bid leveling tool used over 5,000 times weekly.

### PROJECTS

#### Koetori Next.js, TypeScript, TailwindCSS, Groq, Supabase

AI-powered voice transcription app to capture and organize ideas before they fly away.



#### Bop React, Redux, Ruby on Rails, Express, Postgres

Spotify-inspired platform for music discovery, with playlist creation, artist following, and real-time search.



#### BuildingConnected Style Guide React, Redux, Styled Components

Comprehensive design system with documentation.

### EDUCATION

#### App Academy Fullstack Engineering

2018

#### University of Pennsylvania B.A. in Linguistics, Deaf Studies

2012 – 2016

### SKILLS

**Proficient:** JavaScript, React, Next.js, Redux, Node.js, MongoDB, Git, CircleCI, LaunchDarkly

**Familiar:** TypeScript, React Native, Nest.js, Postgres, Docker, Heroku, AWS, Elastic Cloud, Snowflake, Redis, Mongoose, GraphQL, Jest, Cypress, Rails, Angular, Webpack, jQuery