

JORDAN BENGE

Senior Software Engineer | Frontend & Mobile (Angular, React Native, TypeScript)

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SUMMARY

Senior frontend and mobile engineer, 8+ years owning products end to end: architecture, testing, CI/CD, and regulated production software (FDA 510(k), HIPAA). Sole developer of an FDA 510(k)-submitted BLE patient monitoring app in production at ~15 client organizations; co-founded the company whose platform Marani Health licensed and brought in-house.

CORE SKILLS

Frontend: Angular (signals, RxJS), React Native / Expo, Ionic / Cordova, SCSS, Chart.js, i18n

Languages: TypeScript, JavaScript, HTML/SCSS, Python, Java, SQL, Swift / Objective-C

Testing: Playwright (UI + API), Maestro (mobile E2E), Vitest, Jest, Cypress, Testcontainers / PostgreSQL

CI/CD & DevOps: GitHub Actions, Docker / GHCR, AWS ECS, EAS, Firebase App Distribution, pnpm monorepos, GitHub Pages dashboards, PITR backups

Backend / Data: Spring Boot, PostgreSQL, Node.js, REST APIs, BLE device integration, Firebase (Firestore, Cloud Functions), data extraction / ETL

Domain: FDA 510(k) medical device software, HIPAA / healthcare data, remote patient monitoring

EXPERIENCE

Software Engineer — Frontend & Mobile Lead | Marani Health • Jul 2023 – Aug 2026

Omaha, NE — Maternal/fetal remote patient monitoring: clinical portal, patient mobile apps, BLE wearables. Hired in-house alongside Cujonics co-founder after Marani licensed the platform.

- Sole developer on an **FDA 510(k)-submitted BLE mobile app** (React Native/Expo) that captures and processes fetal and maternal heart-rate data from wearable hardware. Owned the quality and safety controls that went into the submission.
- Built two patient-facing apps from scratch as the only mobile engineer: **Mother** (remote monitoring) and **Mwrap** (shipped in about six weeks). Both are in production with patients at **~15 client organizations**, from national payers to perinatal practices and grant-funded studies.
- Upgraded the clinical portal to modern Angular (signals, standalone components), cutting cycle time from bug report or feature request to QA-testable code by **43%**.
- Extended the forms system into a survey and protocol engine that renders the same form definitions on web and mobile; added multi-language support and an AI translation service for patient-facing content.
- Cut asset delivery size by **78%** through compression and smarter delivery, and deployment time by **50%** with caching.
- Built the test infrastructure: Playwright UI and API suites (Spring Boot + Testcontainers) and Maestro mobile E2E, all running in CI.
- Automated the release pipeline with reusable GitHub Actions, EAS, and Firebase App Distribution, supporting a release every **2–3 weeks**; an automated SBOM security scan came back with **0 vulnerabilities**.

Co-Founder & Software Engineer | Cujonics, LLC • May 2021 – Jul 2023

Omaha, NE — Two-person software company; built the remote patient monitoring platform later licensed and adopted by Marani Health.

- One of two engineers on the platform. Owned the frontend architecture and reworked its legacy TypeScript/Angular codebase.
- Built the dynamic healthcare forms UI with custom validation and org-wide sharing, a real-time patient report engine on Chart.js, and a three-tier notification system covering patients, organizations, and companies.
- Designed a multi-client switcher so one codebase could ship uniquely skinned, feature-gated deployments per client, which is what made the product licensable to Marani.

Lead Frontend Developer | BioAnalyt • May 2020 – May 2021

Teltow, Germany (remote) — Portable rapid vitamin test kits

- Grew a proof-of-concept MVP into a working consumer-facing product and wrote the frontend coding standards the team used going forward.

Data Aggregation Engineer | BrightFox • Sep 2019 – May 2020

Remote — Healthcare staffing marketplace

- Built the data-extraction platform as independent fail-safe modules, so one source failing never blocked the rest. Ingested **30+ healthcare systems** and hundreds of thousands of hospital staffing positions.

EARLIER EXPERIENCE

SocialPnt — Co-Founder & Lead Developer (2017 – 2019): built a location-based social iOS app solo and shipped it on the App Store about six months later (Ionic/TypeScript, Firebase, custom Swift/Obj-C Cordova plugins).

WannaTrain — Application Software Developer (May 2018 – Aug 2019): set up a code-review testing environment that sped up release candidates by **40%**, on a team spread across 5 time zones.

University of Cincinnati, Office of Research — Application Software Developer (2016 – 2017): sole developer on a full redesign of the department site; also built review-automation software that cut review mistakes in half.

Omaha Digital Designs — Freelance Web Developer (2013 – Present, part-time): small-business client sites.

EDUCATION

Miami University — B.S. Computer Science, 2020