Davy Martinez

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About Me

As a Frontend Engineer with over 4 years of hands-on experience, I focus on creating impactful web applications. I thrive in taking projects from concept to completion, prioritizing intuitive, user-friendly designs, and effective collaboration with cross functional teams. I am highly skilled in React, Javascript, CSS, HTML, Node and Google GCP, and I've had success in boosting user engagement, streamlining processes, and delivering solutions that truly meet client needs. I'm always eager to learn and tackle new challenges, bringing a practical, problem solving approach to every project I work on.

Experience

Decoded Health | *August 2022 – October 2024*
Lead Frontend Engineer

- **Frontend Development Leadership:** Spearheaded the development of web-based applications for clinics, covering key features like authentication, appointment management, insurance updates, payments, and AI-driven patient intake chat systems.
- **Telehealth & Provider Platform:** Integrated Telehealth features and built a provider platform managing physical and virtual waiting rooms, patient check-ins, and EHR synchronization (Athena, eCW).
- **Component Libraries & Infrastructure:** Built and maintained internal component libraries, oversaw Go servers, Cloud Build pipelines, and Docker containers, cutting deployment time in half and greatly improving efficiency.
- **Support & Problem Solving:** Managed a support center, resolved UX issues, and implemented user match systems and improved app flow for better patient experiences.
- **Mentorship & Leadership:** Led small teams in feature development, mentored new engineers who successfully delivered features with fewer issues, and drove technical planning and execution.
- **Technical Expertise & Innovation:** Leveraged Flutter BLoC for state management, utilized WebSockets, and led React upgrades from version 16 to 18, resolving dependency issues.
- **Visibility and Communication:** Maintained a high level of visibility within the organization, serving as the go-to person for the CEO and lead architect on all frontend feature developments. Regularly communicated progress, challenges, and successes to ensure alignment and transparency.
- **Client Collaboration & Strategic Input:** Conducted weekly customer demos, implemented feedback swiftly, and aligned features with product goals and long-term strategies.
- **Documentation & QA:** Maintained comprehensive documentation, ensuring quality and smooth onboarding for new team members.
- **Adaptability & Continuous Learning:** I consistently stay up-to-date with the latest web application technologies and trends. Currently, I am enrolled in a senior frontend engineer course online to further enhance and expand my skillset, continuously adding new tools to my development toolbox.

Frontend Developer Intern & Freelance Frontend Developer | *Jan. 2020 – Dec. 2022*
Frontend Developer

- **Full-Stack Web Development:** Designed, developed, and deployed web applications using HTML, CSS, JavaScript, React and Node.js. Notable projects include a landing page for a non-profit that boosted user engagement by 50%, and a React web application for a Los Angeles salon, increasing online traffic and exposure.
- **Independent & Collaborative Work:** Translated abstract ideas into scalable frontend code, consistently delivering high-quality results with minimal supervision.

U.S. Army, Office of the Chief Legislative Liaison | *Jan. 2020 – Sept. 2022*

Congressional Travel Escort (Staff Sergeant)

- **Coordinated International Delegations:** Organized and facilitated secure international travel for Congressional delegations, managing logistics and safely escorting members to meetings with foreign leaders in different countries.

U.S. Army, Infantryman | *Jan. 2012 – Jan. 2020*

Platoon Sergeant (Staff Sergeant)

- **Leadership in Tactical Operations:** Led infantry units in overseas deployments and training exercises, applying military tactics to achieve mission objectives.
- **Training & Mentorship:** Delivered training programs to diverse military units and mentored Senior Non-Commissioned Officers in Malawi Africa, demonstrating leadership and instructional skills.

Projects

Virtual Front Door - Demo Clinic

Technologies: Vite w/ React, Node.js, MUI, Google GCP (Cloud Build, CI/CD)

- **Created an application from the ground up** to act as a virtual front door for our demo clinic, designed to market and showcase our newest features and products.
- **Designed and implemented** a Node.js backend server to serve dynamic environment variables at runtime, enhance network security, and improve caching mechanisms, leading to a more secure and efficient application.
- **Impact:** Boosted load speeds by 45% and strengthened security, resulting in a 50% rise in client engagement during product demos.

Clinical Hub Scheduler and Registerer

Technologies: React, Flutter BLoC, MUI, Google GCP (Cloud Build), Go

- **Engineered a frontend application** for scheduling and registering patients, ensuring EHR compatibility (Athena, eCW) and optimizing clinical workflows.
- **Impact:** Reduced wait times and improved staff productivity.

Intake Chat Application

Technologies: Vite w/ React, Flutter BLoC, Socket.io, MUI

- **Developed a real-time chat application** utilizing AI to streamline patient intake and improve the accuracy of collected information.
- **Impact:** Reduced intake time by 30%, enhancing patient satisfaction.

Component Library for Consumer Apps

Technologies: Vite w/ React, Flutter BLoC, Socket.io, MUI, Google GCP (Cloud Build, CI/CD)

- **Created a modular component library** to standardize consumer app development, ensuring consistency and reusability across projects.
- **Impact:** Accelerated development timelines by 25%, improving maintainability.

Technical Skills

- **Frontend Development:** React, Javascript, MUI (Material-UI), Format.js (React Intl), TailwindCSS, Next.js, DOM Manipulation, HTML, CSS, JSON.
- **State Management:** Redux, Redux Toolkit, Flutter BLoC, Zustand, React Hooks.
- **Backend Development:** Node.js, Express, RESTful APIs, MongoDB, MySQL, Firebase.
- **Cloud & Infrastructure:** Google GCP (Cloud Build, Artifact Registry, Kubernetes Engine), Firebase.
- **Monitoring & Analytics:** Heap for user session tracking.
- **Tools & Version Control:** Git, GitHub, VSCode, IntelliJ.
- **Project Management:** Jira, Trello, Confluence, Miro