FEATURED PROJECTS

EHealth Web Platform For Caregivers

About

Our client operates at the forefront of the healthcare industry, addressing the pervasive issue of caregiver burnout. Their innovative approach targets the identity discrepancy faced by family caregivers, offering a unique solution within the caregiving support domain.

Our role was to refine this concept, plan the project, and provide a well-rounded solution. The primary deliverable was a mobile-centric web application, with the added capability of installation on mobile devices via Progressive Web Application (PWA) technology.

INDUSTRY:
Healthcare

LOCATION:
USA

TEAM SIZE:
1 Project Manager, 1 Full-stack developer, 1 Backend Developer

TECHNOLOGIES:
Python, MongoDB, Microservices Architecture, FastAPI, SvelteKit

Project Overview

After extensive planning and development, we implemented a Minimum Viable Product (MVP) to collect user feedback and pinpoint areas for improvement.

- **Mapping Software Architecture** - we implemented a microservices architecture using the FastAPI backend framework on Python to create a scalable and robust back-end infrastructure;
- **Frontend Development** – SvelteKit was utilized to construct a Server-Side Rendering (SSR) front-end, ensuring an intuitive and responsive user interface;
- **Database Management** - The team worked on handling diverse data sets efficiently, ensuring that the product could store and retrieve data quickly and effectively;
- **DevOps Integration -** DevOps methodologies, including CI/CD, were emphasized to streamline development and deployment processes;
- **Automated Testing** - After the MVP launch, we shifted our focus to incorporating omitted logic and processes, initiating automated testing like End-to-End (E2E) tests for frontend, and Unit/API tests for microservices to ensure product reliability.

Results

Cooperating with Crunch, the client got a solid and user-oriented solution. The delivered solution is currently expanding with the required features to meet customers' needs.