Archived Project Summaries

Document Purpose

This document provides a clear and concise summary of key projects I contributed to but no longer have direct access to. It outlines my role, responsibilities, and the impact of my work to ensure transparent and verifiable records of my technical and project management contributions.

Onboarding Application for Billing Services

Full-Stack Product Manager

Technologies

PowerPoint, HTML, CSS, JavaScript, React, Node.js, MongoDB

Goals

Replace a fragmented paper/email workflow by automating the home healthcare client intake process. Capture client information and notify stakeholders via email upon submission.

Contributions

Acted as both Technical Product Manager and Developer — gathered stakeholder requirements, created wireframes and technical specifications, designed a user-friendly, responsive UI, and developed a custom backend from the ground up to handle data validation, persistence, and stakeholder notifications. Delivered the product end-to-end before handing it off to DevOps.

Results

- Delivered an automated client intake workflow that replaced manual paper/email processes.

- Enabled ongoing client management through an admin interface with client overviews, onboarding status tracking, event logging, and step-by-step notetaking.

- Reduced onboarding time by approximately 60% by guiding administrators through a multi-step digital flow with real-time validation and persistent data storage.

Job Application Portal

Full-Stack Product Manager

Technologies

PowerPoint, HTML, CSS, JavaScript, React, Node.js, MongoDB

Goals

Streamline and automate the employee application process for a home healthcare agency to reduce manual data entry, improve application tracking, and enhance the candidate experience through a more efficient and accessible digital workflow.

Contributions

Led technical strategy and full-stack development for a custom workflow automation tool supporting employee applications in home healthcare. Collaborated with a peer during the design phase to refine UI concepts, then independently translated requirements into wireframes, technical specs, and a responsive user interface. Built the backend from scratch with a focus on secure data handling and stakeholder notifications, delivering the complete solution prior to DevOps handoff.

Results

- Spearheaded the front-end integration of a digitized hiring process, including dynamic forms, real-time progress tracking, and document upload interface.

- Reduced manual data entry and application processing time by ~50% for HR teams.

- Collaborated with backend and DevOps teams to support secure document upload functionality, ensuring a seamless user experience

- Enhanced applicant experience through responsive UI design and automated application status feedback.

Reusable Component Library & UI System

Full-Stack Product Manager

Technologies

React, CSS, NPM

Goals

Desing and implement a reusable component library and UI system to ensure visual consistency, accelerate development, and improve long-term scalability. The system will include accessible, responsive components built with modular design principles and theme support via CSS variables. Documentation will be provided to enable easy adoption, reuse, and future maintenance.

Contributions

Led the end-to-end development of a reusable component library and UI system, starting with initial research and design planning and continuing through full implementation and documentation. Defined design standards, created accessible and responsive components, implemented a scalable theming system using CSS variables, and built developer-facing documentation to support adoption and future growth.

Results

- Reduced frontend code duplication by over 50%

- Accelerated cross-team development velocity by delivering custom NPM packages and CSS libraries, enabling consistent and efficient UI integration.

- Improved UI consistency and user experience across applications through standardized, accessible, and responsive components.

- Enhanced maintainability and scalability of frontend codebase, reducing future development time and technical debt.

- Successfully managed and executed the entire project lifecycle solo, ensuring timely delivery and seamless integration of the component system.

Task Review & Auditing System

Full-Stack Developer

Technologies

Node.js, REST APIs, MongoDB, pdf-lib, pdfkit

Goals

Develop a scalable, API-driven system that empowers home care nurses to review tasks from the current date up to 90 previous days. The system supports dynamic configuration of review time windows to adapt to changing operational requirements and ensure compliance with state regulations, enabling accurate and timely client care assessments.

Contributions

Led full-stack development of a task review reporting feature using Node.js and MongoDB, generating PDF layouts organized by patient shifts. Designed tables that clearly displayed daily living task statuses (complete, refused, not done) with date headers and activity columns. Implemented deviation tracking with detailed tables summarizing task exceptions for improved auditability. Collaborated closely with project management and design teams to create wireframes, independently coded the feature, and successfully handed it off to DevOps for integration.

Results

- Enabled compliance with state-required task reviews for over 1,000 patient visit records spanning 250+ home healthcare clients.

- Eliminated reliance on outdated paper-based review processes, increasing efficiency and accuracy.

- Enhanced nurse workflow by integrating an accessible task review feature into the mobile assessment application, reducing frustration and streamlining care documentation.