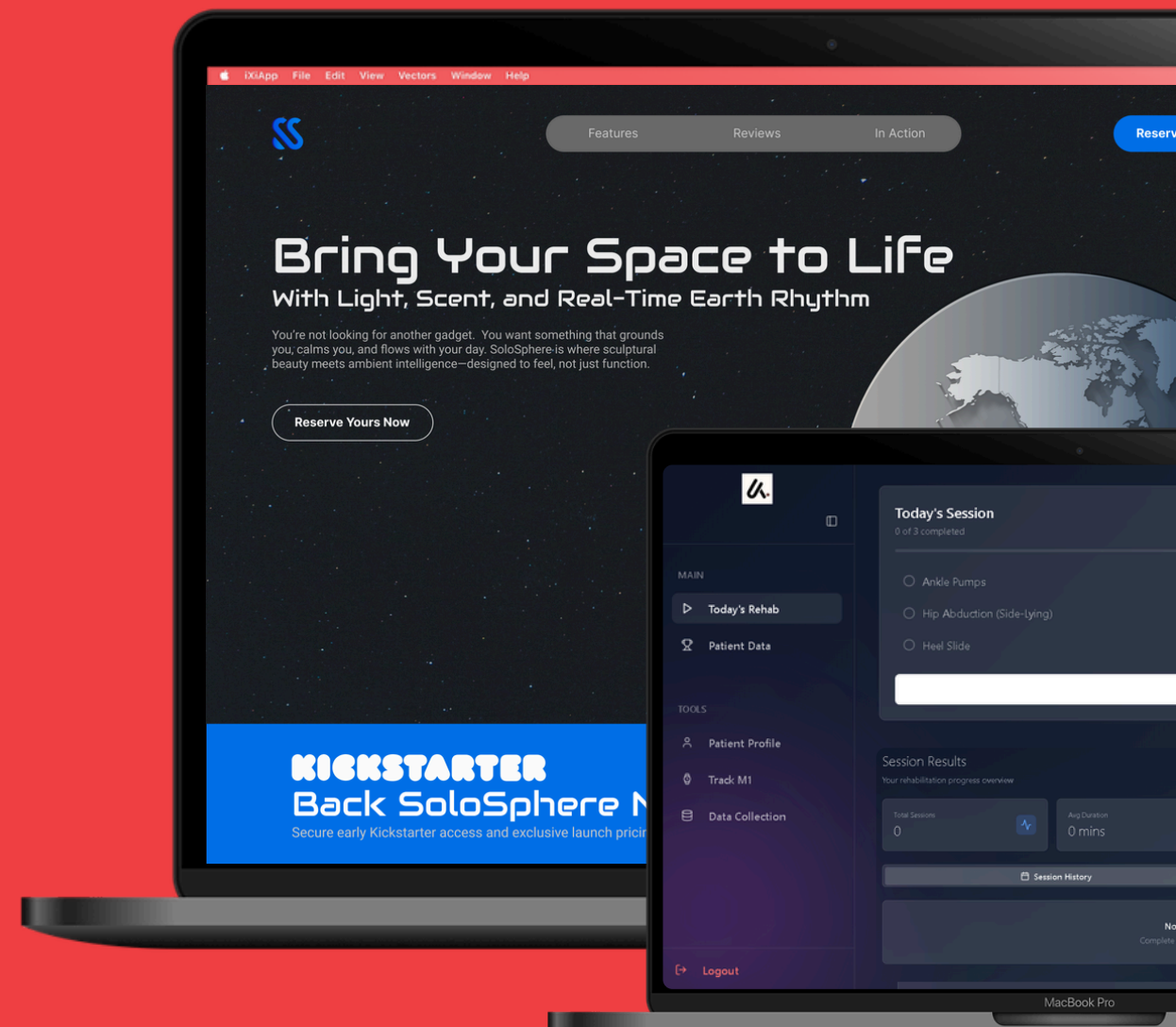
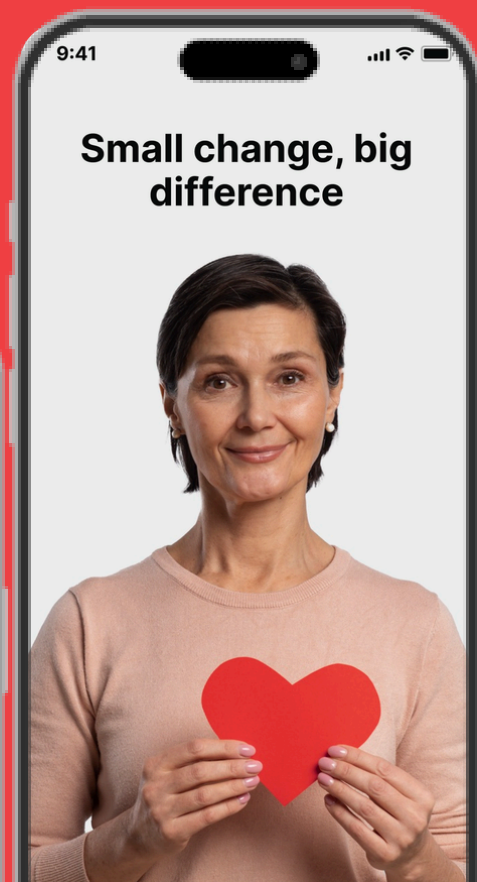
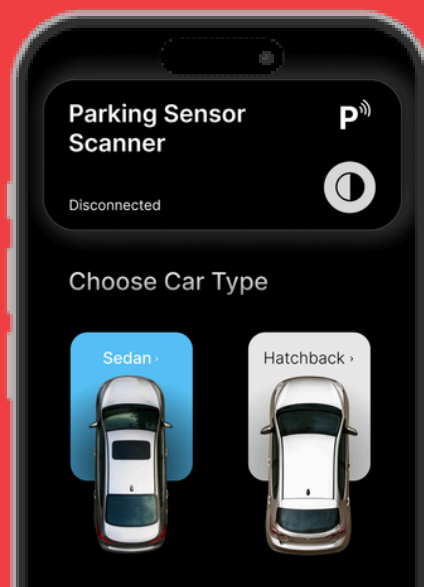


Software Design & Development

QUICKGEN
TECHNOLOGIES



Our Philosophy

Quickgen Technologies is a full-stack software and product development firm established in 2019. Focused on speed, scalability, intelligent automation, and seamless user experience, the team delivers digital products that are powerful, intuitive, and built for the future.

Combining UX/UI Design, AI & Machine Learning, Cloud Engineering, and Software Development, QuickGen takes ideas from concept all the way through to deployment — and can step in at any stage in between.

Clients range from startups to enterprises across healthcare, fintech, SaaS, and consumer technology. This breadth of expertise shortens lead times, reduces costs, and drives innovation at every scale.


NSTP

Services

CGT

UI UX

We design experiences that feel natural and look sharp. From user research to final visuals, we map how users think and turn it into intuitive, conversion-focused interfaces. Every screen is built to be simple, functional, and aligned with your brand.

What we do:

User research, wireframes, UI design, design systems, prototyping, mobile & web apps

Front End Development

We bring designs to life with fast, responsive, and scalable interfaces. Everything your users see, interact with is built to be smooth, pixel-perfect across devices.

What we do:

Web & mobile front-ends, dashboards, performance optimization, modern JS frameworks

Back-End Development

We build the engine behind your product. Secure, scalable systems that handle data, APIs, and integrations—so everything runs seamlessly behind the scenes.

What we do:

APIs, databases, cloud infrastructure, authentication, system architecture.

AI & Machine Learning

From automation to predictive systems, we build AI solutions that improve efficiency and create real impact.

What we do:

Custom AI models, chatbots, data analytics, recommendation systems.

Firmware Development

We connect hardware with intelligent software. From sensors to embedded systems, we develop firmware that's efficient, reliable, and built for real-world performance.

What we do:

IoT firmware, sensor integration, embedded systems, hardware optimization.

RGT

**May
2026**

80+

CLIENTS

200+

PROJECTS

06+

YEARS

Software Portfolio

QuickComm

Real-Time Team Communication Platform

FrontEnd

Web Dashboard
Staff IoT Devices

BackEnd

WebSockets
MQTT
PostgreSQL

AI & Security

LLM Transcription
Role Based Access

Scalable Hospitality Communication

Created a channel-based communication system for large-scale hospitality environments.

The platform replaces traditional walkie-talkies with an intelligent **audio-and-text solution** featuring **AI-powered transcription** and **automated task management** across multi-floor infrastructures.



Motion Tracker

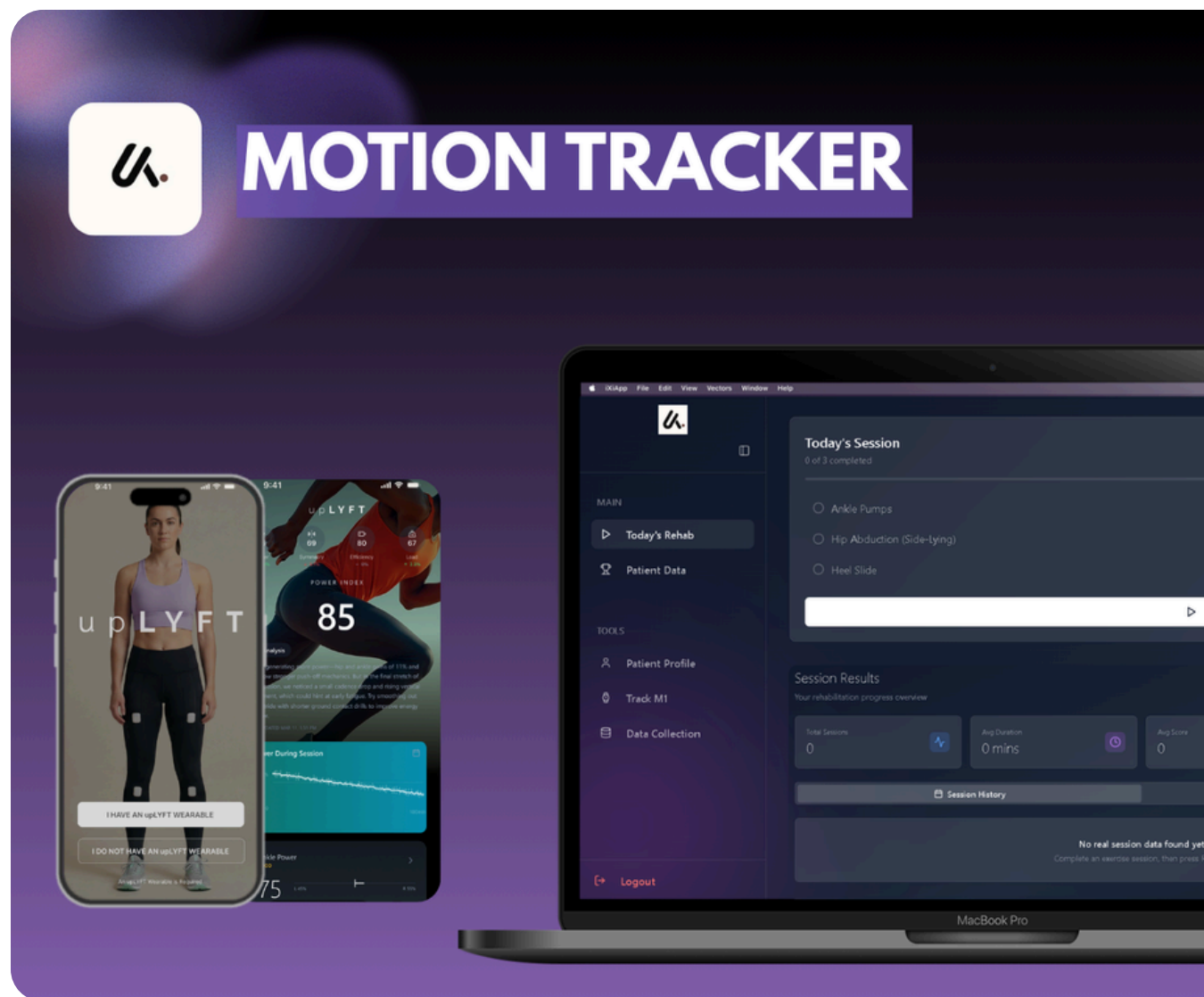
Data-Driven Physical Rehabilitation Platform

FrontEnd	BackEnd	IoT Layer
React (Web) Patient Dashboard	Fast API SQL	Track M1 Leggings Web Sockets

Connected Rehab Experience

Developed a two-sided SaaS platform connecting clinicians and patients through IoT-enabled rehab tracking.

The solution transforms **physical therapy into gamified exercises**, providing medical professionals with longitudinal **recovery analytics** based on real-time sensor telemetry.



Front Parking Sensor

Smart Proximity Parking Assistance

FrontEnd	Hardware	Microcontroller
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Flutter App	Flask	Ultrasonic/IR
Distance Logs	TensorFlow	Sensors
		Proximity Alerts

Precision Parking Assistance

Developed an affordable hardware-software solution for front-parking assistance.

The system pairs **real-time distance detection** via IR sensors with a **mobile interface** to provide **visual and audio proximity alerts** for navigating tight spaces.



The Giving Cube

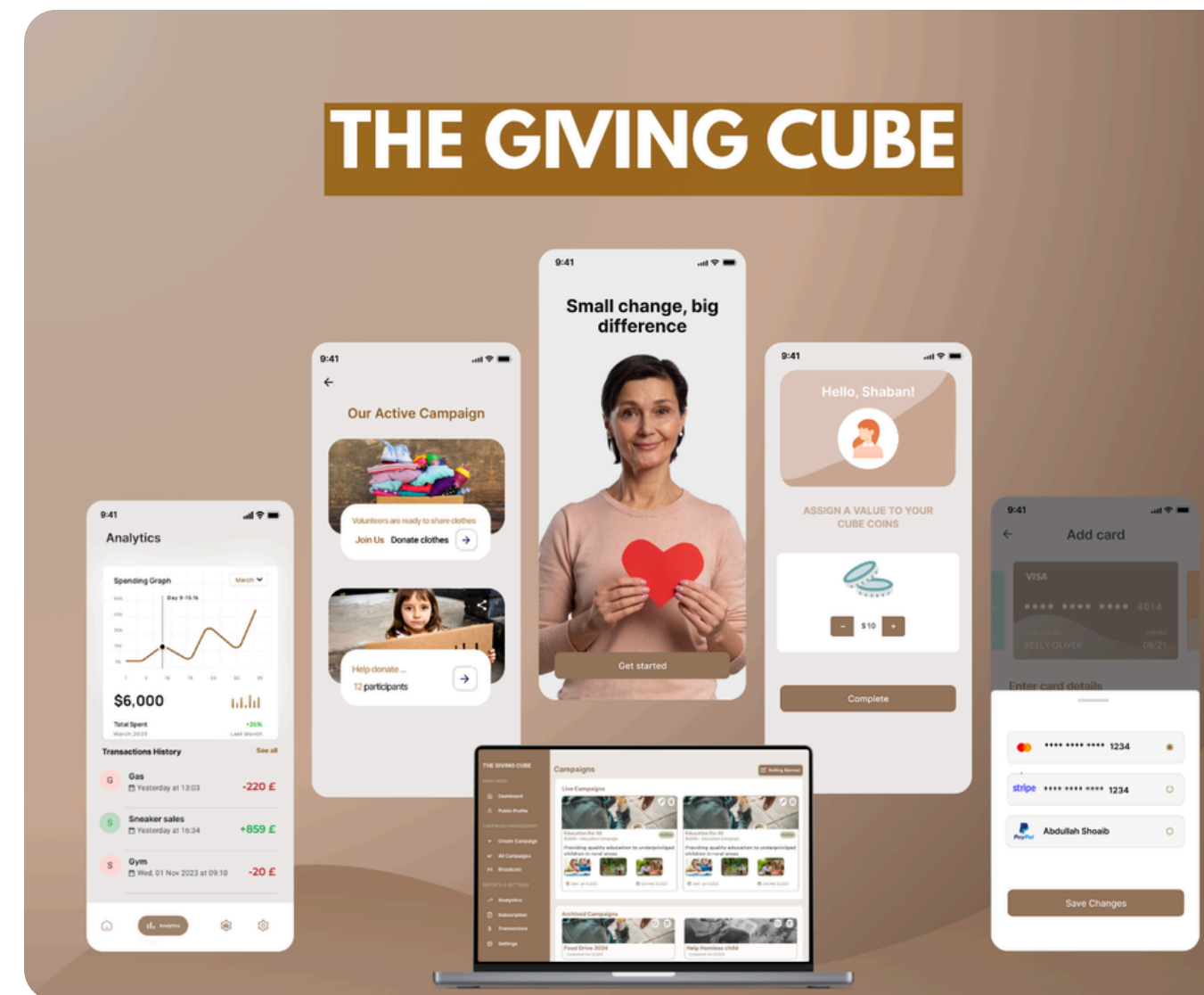
Smart Hardware Donation Ecosystem

FrontEnd	Payments/API	BackEnd
React.js	Stripe API	Flask
React Native	SmartCube IOT	SQL

Interactive Charitable Giving

Designed a family-oriented charitable platform that connects a smart hardware device to an intuitive management app.

The solution **automates donation tracking** and processing via real-time **BLE/WiFi synchronization** and integrated **payment gateways**.



Scentix

Intelligent Air Freshness System

FrontEnd

Flutter App
Real-time
Monitoring

Logic & Control

Smart Thresholds
Distribution
Analysis

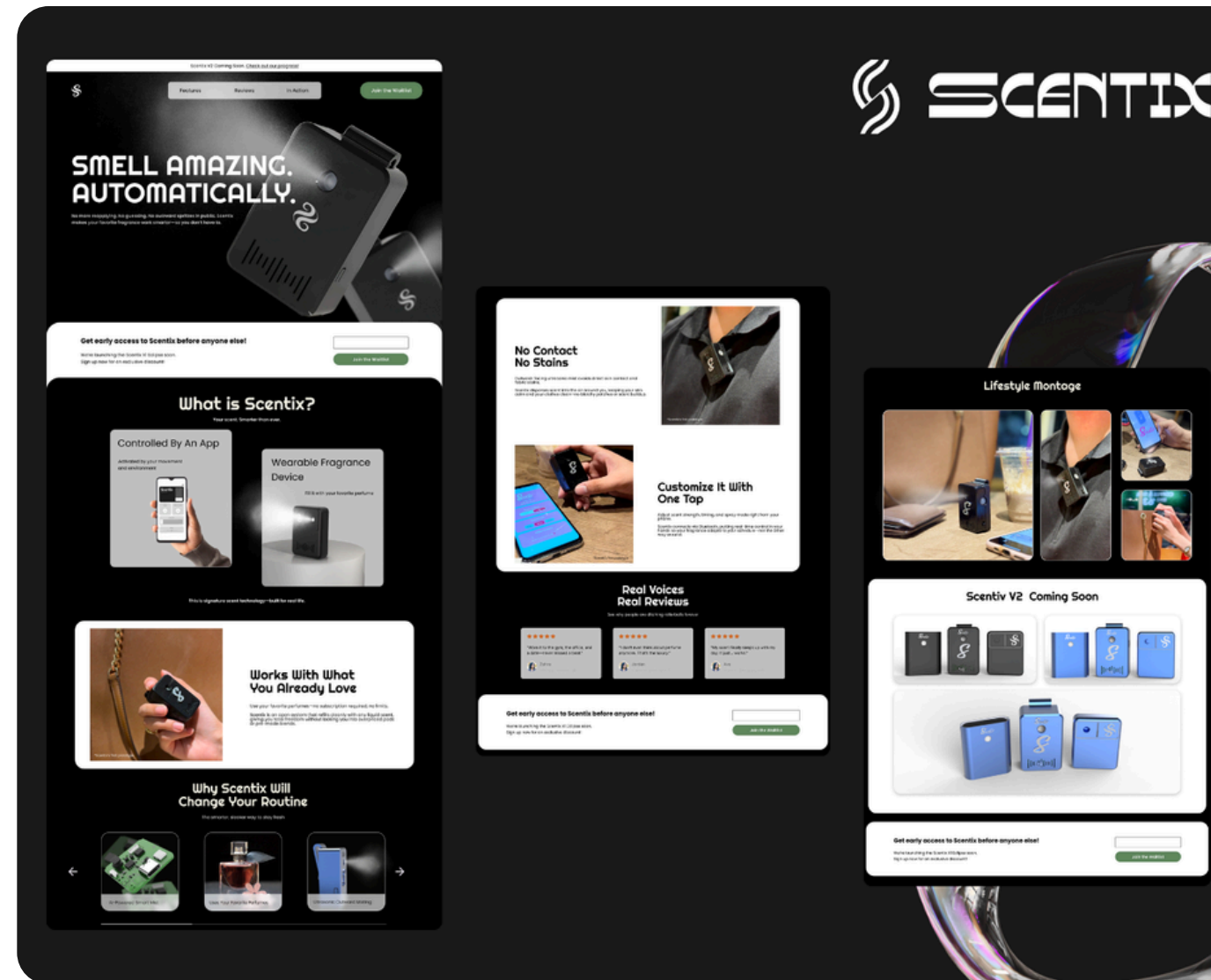
Hardware

TVOC
Sensors
Smart Spray
System

Smart Odor Control System

Created a sensor-integrated scent delivery system that adjusts in real-time based on air quality metrics.

The system utilizes **TVOC sensors** and **ppm thresholds to automate spray** intensity, ensuring fresh environments while minimizing resource waste.



Solo Sphere

Intelligent Air Freshness System

FrontEnd

Flutter App
Real-time
Monitoring

Logic & Control

Smart Thresholds
Distribution
Analysis

Hardware

TVOC
Sensors
Smart Spray
System

Smart Odor Control System

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AI Pendant

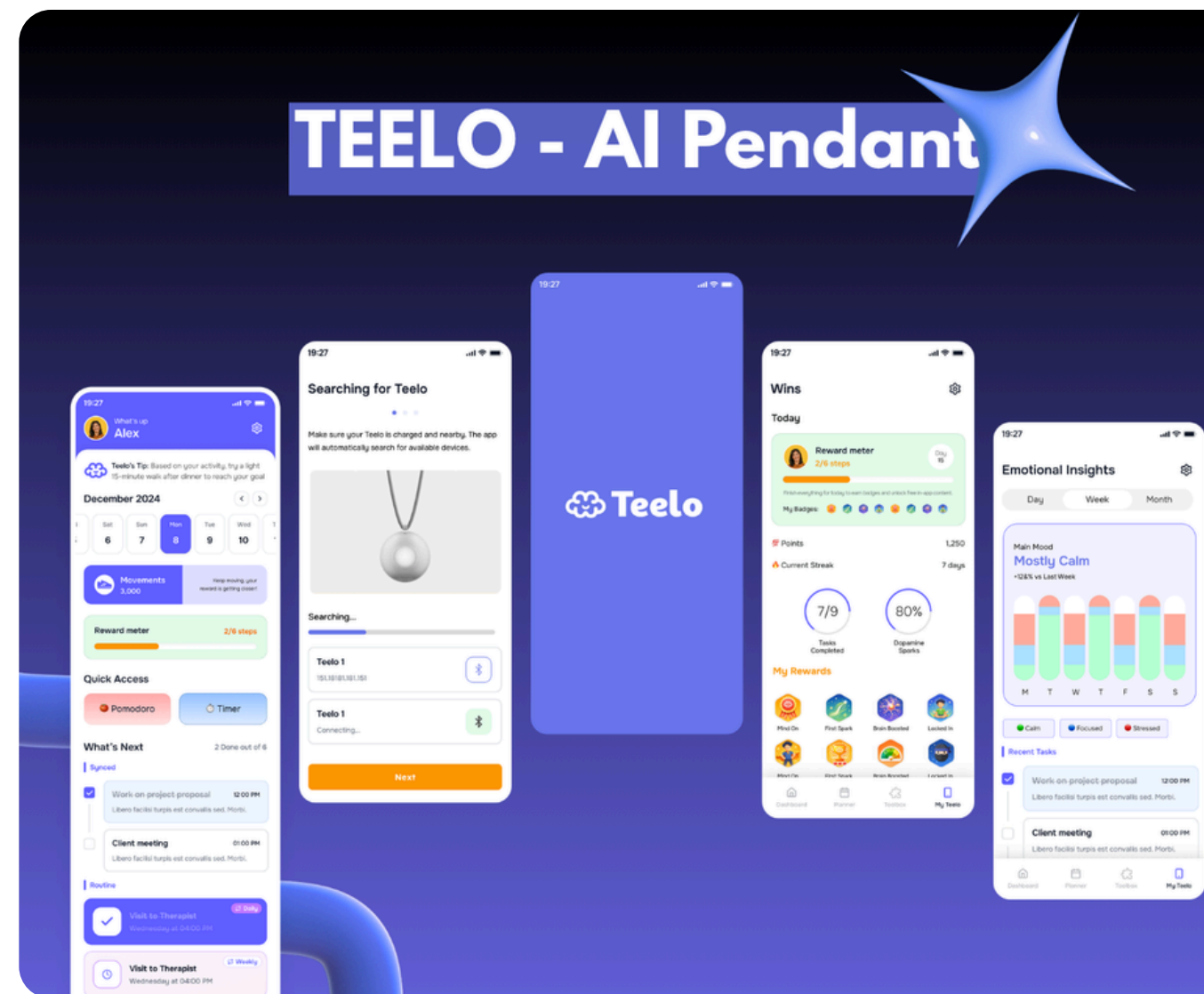
ADHD Support & Regulation Wearable

FrontEnd	BackEnd	Hardware
Flutter (MVVM) Parent Dashboard	FastAPI Redis Cache	Nordic nRF BLE BNO-series IMU

Intelligent Focus Management

Developed a support ecosystem combining a wearable pendant with an ADHD-friendly dashboard.

The system provides **real-time haptic cues** for attention drifting and **automated routine prompts**, backed by a **secure cloud** infrastructure for task tracking and emotional regulation.



Ergomatics Cushion

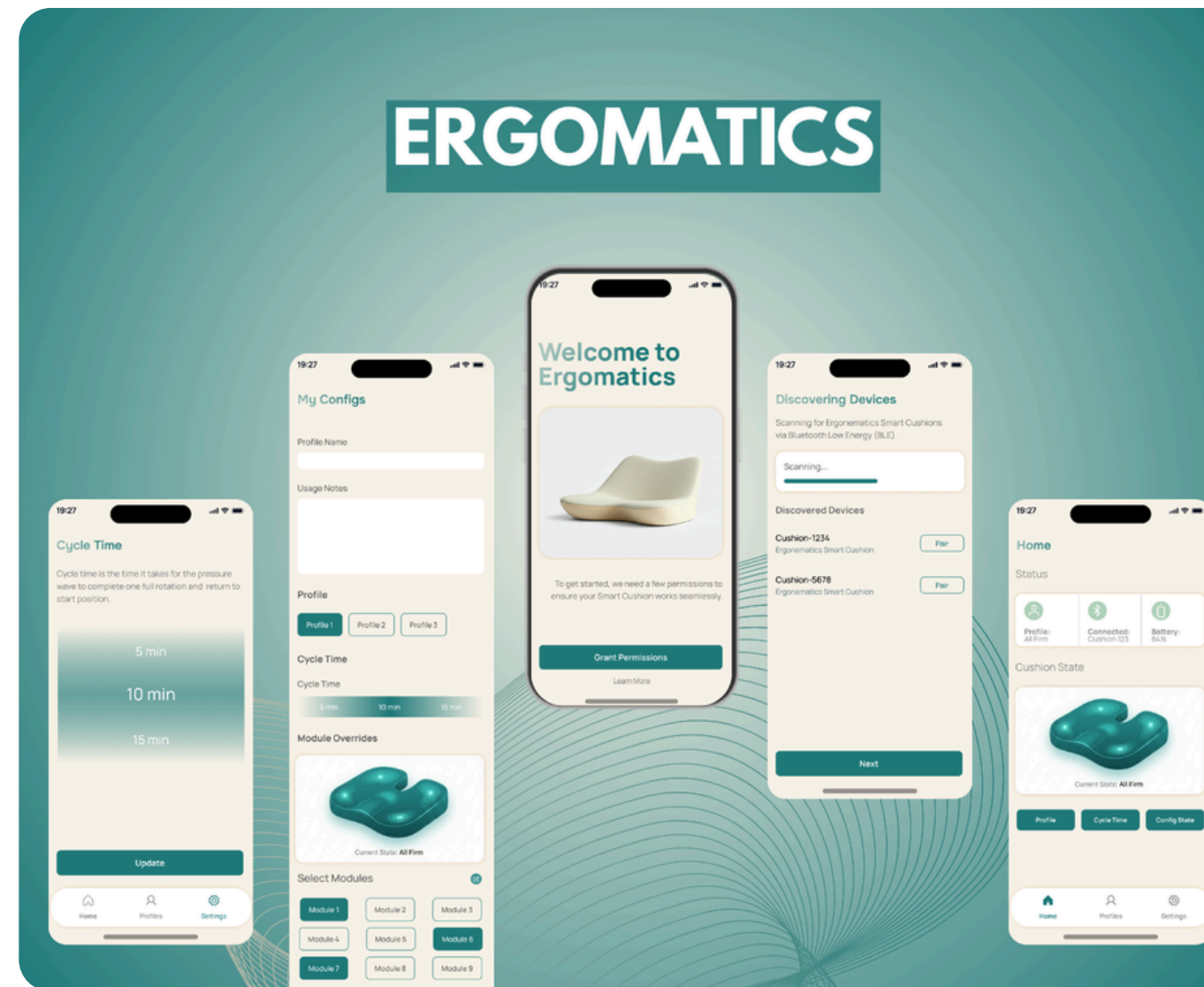
Precision Ergonomic Comfort Cushion

FrontEnd	Control System	Hardware
Native iOS/Android Profile Presets	18 Air Modules Dual-Pump Sync	BLE 5.0 OTA Firmware Updates

Smart Cushion Management

Engineered a control application for a smart cushion featuring 18-module air pressure management.

The platform allows users to **customize** dynamic movement sequences and **profile presets** through **low-latency BLE telemetry** and **encrypted command** channels.



AI Wardrobe

Precision Ergonomic Comfort Cushion

FrontEnd

React.js
Responsive UI

AI / API

LLM Personalization
Google
Calendar/Weather

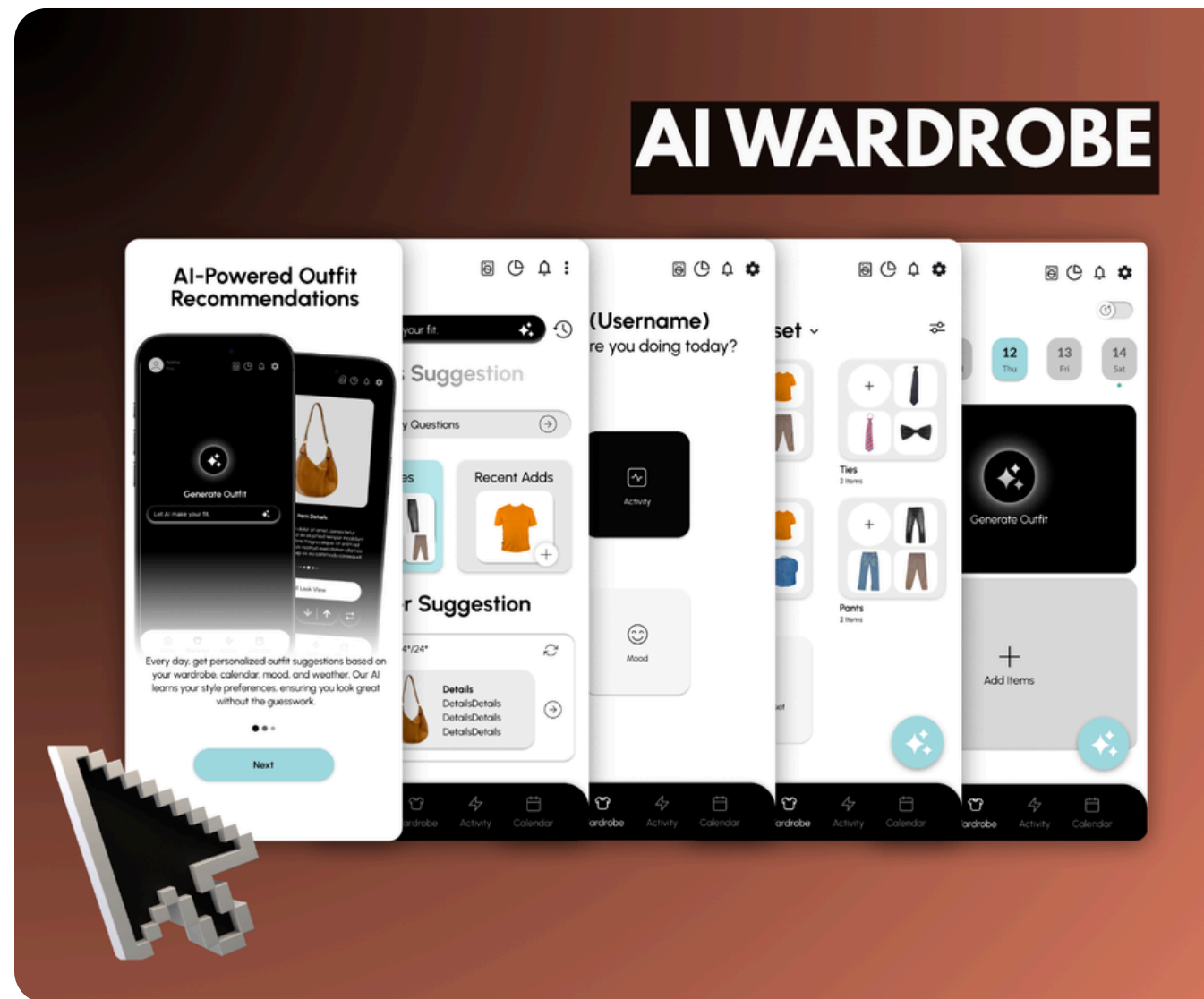
BackEnd

Fast API
Python

Automated Outfit Planning

Engineered an AI-driven recommendation engine that integrates personal schedules and real-time weather forecasts.

By leveraging Large Language Models and **adaptive learning**, the system provides **personalized**, event-specific **styling suggestions** through a fast web interface.



Lume Vue

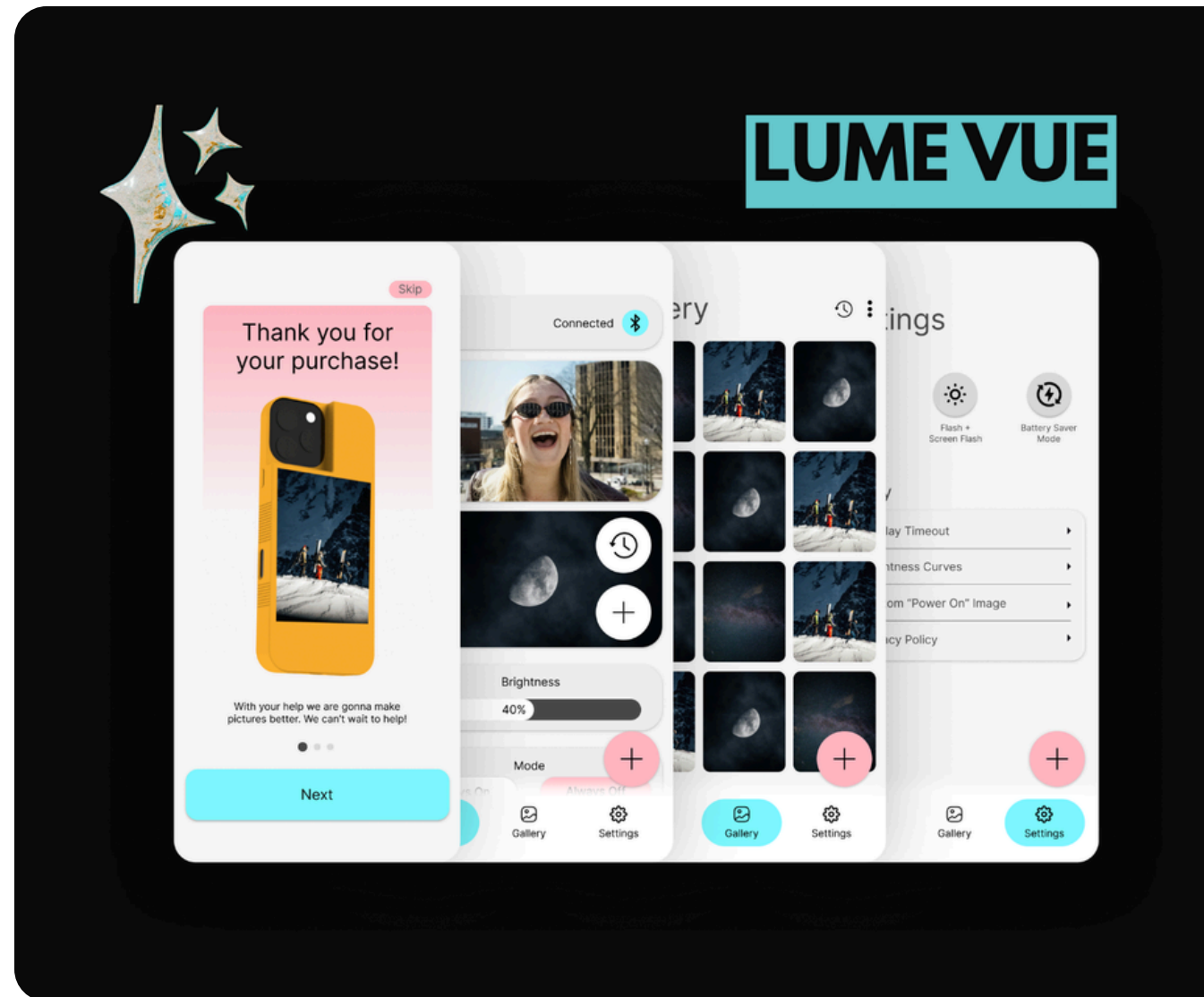
Interactive Smartphone Display Cover

App	Hardware	Display
iOS App Bridge Mirroring Config	SmartCover Controller Lightning/USB- C Bridge	Low-power E-ink/OLED

Secondary Screen Integration

Designed a smart smartphone cover that acts as a secondary interactive display.

The system allows users to **mirror notifications** and **media** previews onto the cover surface using **energy-efficient** technology managed through a **custom iOS companion app**.



Provectus

IoT Health Monitoring System

FrontEnd

React.js
Chart.js

Connectivity

BLE Integration
Azure Hosting

BackEnd

Flask
SQL

Seamless IoT Health Integration

Developed a high-performance mobile application for **real-time health monitoring** via **low-power BLE** communication.

The solution features interactive visualizations for health trends and **secure local caching** to ensure fast access and data privacy.



DC Controller

Precision Motor Management Interface

FrontEnd

React Native
Real-time
Dashboard

Connectivity

BLE Communication
Hardware Sync

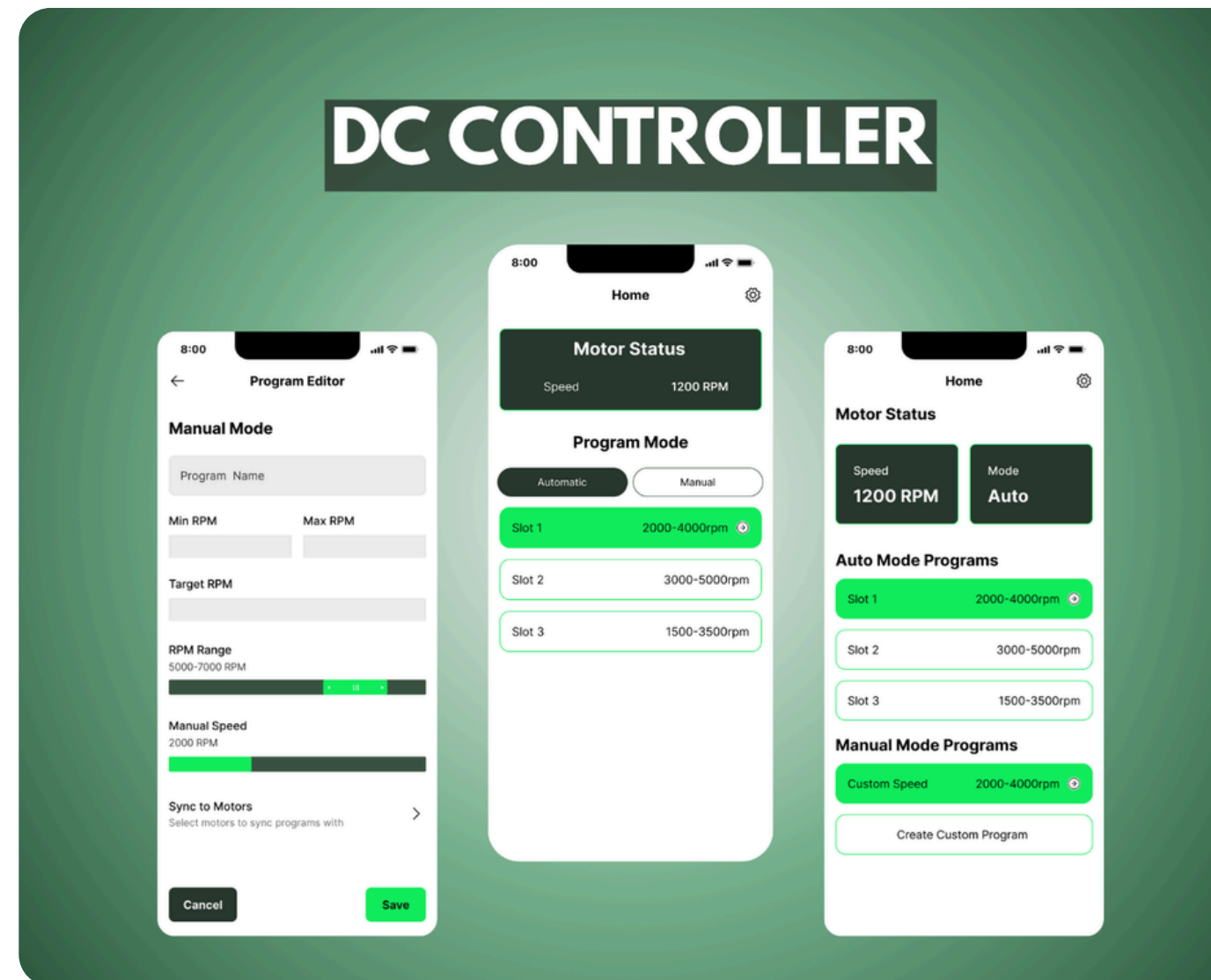
Control Logic

Manual/Auto
Modes
Program
Editor

Industrial Motor Synchronization

Engineered a comprehensive control system for managing DC motors with high-precision monitoring and programming.

The interface allows for **real-time RPM tracking** and the creation of multi-stage automated programs, enabling **seamless synchronization between hardware and mobile control layers**.



Smart Pantry

Precision Ergonomic Comfort Cushion

FrontEnd

React Native
Responsive UI

AI / API

Computer Vision
LLM API

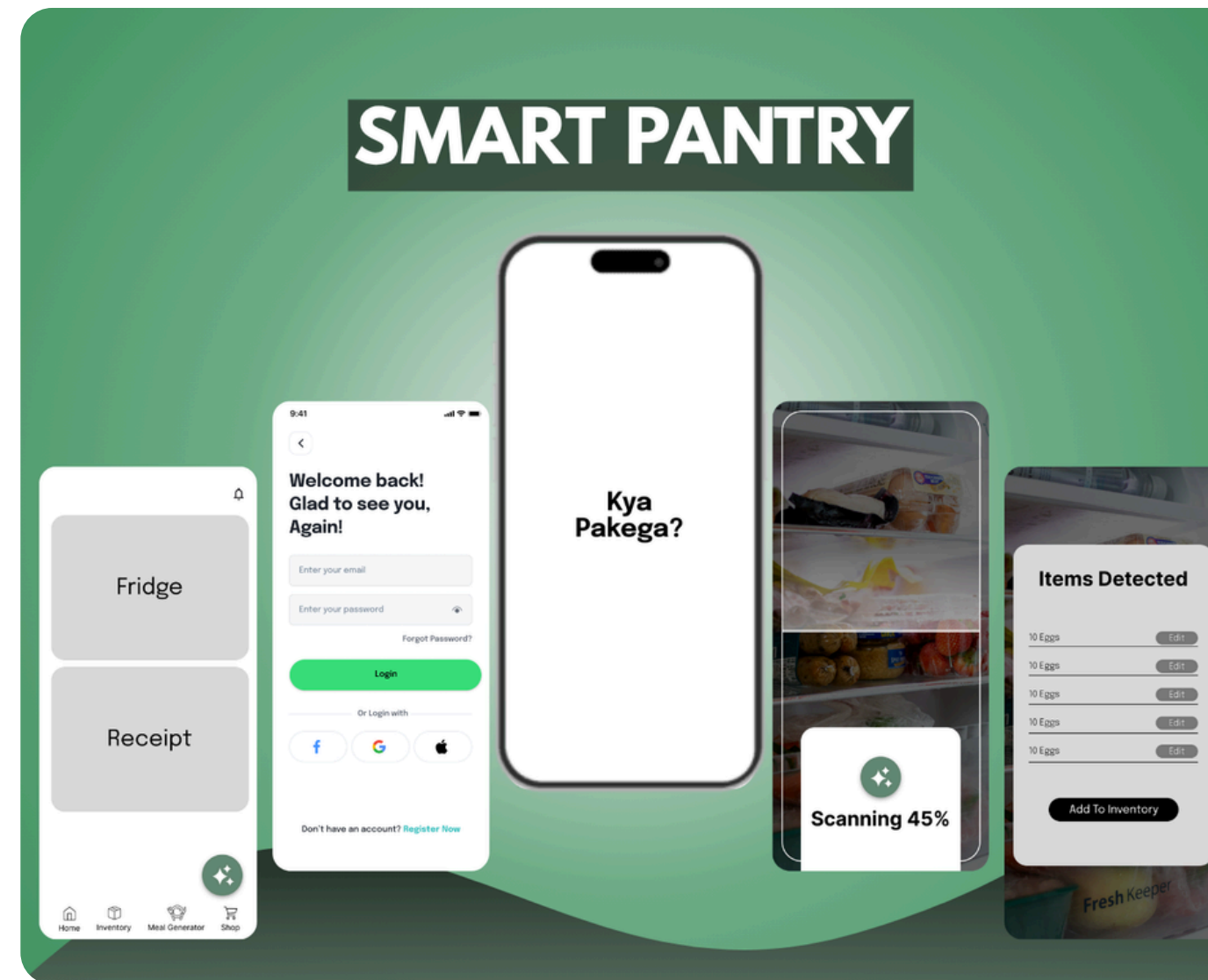
BackEnd

Fast API
Python

Automated Kitchen & Meal Management

Developed an intelligent pantry assistant that streamlines tracking through fridge and receipt scanning.

The system utilizes computer vision to automatically **detect items and manage inventory**, providing users with **personalized meal recommendations** based on available ingredients.



Got Questions ? Connect Now



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