



Development Timeline

AI Partner Catalyst Hackathon
by Google Cloud

Project: Sparrow AI - Sales Training Platform

Developer: Brian Mwai

Development Period: December 22–30, 2025

Total Development Time: 8 Days

1 Development Summary

sparrowPrimary!20 Metric	Value
Total Commits	36
Development Days	8 (Dec 22–30, 2025)
Primary Technologies	Next.js 15, React 19, TypeScript, Tailwind CSS
AI Integrations	ElevenLabs Conversational AI, Google Gemini, Groq
Backend Services	Supabase (PostgreSQL), Clerk Authentication
Deployment	Vercel (Production)

2 Day-by-Day Development Log

Day 1: December 22, 2025

Focus: Project Initialization

- Initial commit and project setup
- Next.js 15 with App Router configuration
- TypeScript and Tailwind CSS setup
- Project documentation (CLAUDE.md)

Day 2: December 23, 2025

Focus: Core Platform Development

- Complete Sparrow AI sales training platform foundation
- Dashboard pages and API routes implementation
- Clerk-Supabase authentication sync
- User onboarding flow
- Interactive dashboard tour
- Database schema and documentation updates

Day 3: December 24, 2025

Focus: Voice AI Integration

- ElevenLabs dynamic variables and voice switching
- Voice-gender alignment for AI prospects
- CAPTCHA domain configuration for Clerk
- Auto-save generated personas
- Call tracking improvements
- Debrief UI enhancements
- Legal pages and demo script

Days 5–6: December 25–28, 2025

Status: Holiday Break / Planning

Day 7: December 29, 2025

Focus: Voice System Optimization

- ElevenLabs multi-account failover support
- Voice ID updates for new ElevenLabs account
- Voice override debugging and fixes
- Gender-aligned voice selection
- Connection stability improvements

Day 8: December 30, 2025

Focus: Polish and Final Features

- Mobile responsive dashboard
- Custom domain setup (sprrw.app)
- Onboarding API improvements
- Dashboard tour with pulsing animations
- Admin dashboard with secure access
- Coach Sparrow AI assistant UI
- User progress reports with charts
- PDF report generation
- Call history improvements
- Beta banner for hackathon visibility
- Final UI polish and bug fixes

3 Commit History

sparrowPrimary!20 Date	Time	Description
Dec 22	23:00	Initial commit
Dec 23	16:59	Complete Sparrow AI sales training platform
Dec 23	17:44	Update docs and schema
Dec 23	19:14	Add dashboard pages and API routes
Dec 23	19:27	Add Clerk-Supabase auth sync, onboarding, tour
Dec 24	04:18	Add ElevenLabs dynamic variables
Dec 24	04:25	Add CAPTCHA domains to CSP
Dec 24	04:37	Add voice-gender alignment, fix debrief UI
Dec 24	06:20	Auto-save personas, fix call tracking
Dec 24	08:03	Update legal pages, add demo script
Dec 29	04:38	Add ElevenLabs multi-account failover
Dec 29	04:49	Switch to backup ElevenLabs account
Dec 29	05:10	Update voice IDs for new account
Dec 29	10:55	Proper voice-gender alignment
Dec 29	11:18	Re-enable voice override
Dec 30	15:49	Mobile responsive dashboard
Dec 30	16:24	Improve tour visibility
Dec 30	16:45	Add secure admin dashboard
Dec 30	17:18	Sleeker admin UI, PDF reports
Dec 30	17:32	User progress reports with charts
Dec 30	18:11	Improve call history table
Dec 30	19:52	Add beta banner
Dec 30	20:08	Banner dismiss animation

4 Key Features Developed

- Real-time Voice AI Conversations** – ElevenLabs Conversational AI integration for realistic sales roleplay
- AI-Generated Prospects** – Gemini-powered persona generation with unique backgrounds and objections
- Live Call Scoring** – Groq-powered real-time performance analysis
- Post-Call Debrief** – Detailed feedback with timestamped moments
- Progress Tracking** – Skill breakdown charts and improvement trends
- Coach Sparrow** – AI coaching assistant for sales guidance
- Mobile Responsive** – Full functionality on all devices

5 Technology Stack

sparrowPrimary!20 Category	Technologies
Frontend	Next.js 15, React 19, TypeScript, Tailwind CSS
Voice AI	ElevenLabs Conversational AI (Primary Integration)
AI/ML	Google Gemini 2.0 Flash, Groq Llama 3.3 70B
Database	Supabase (PostgreSQL)
Authentication	Clerk
Deployment	Vercel
Domain	sprrw.app

Built for the AI Partner Catalyst Hackathon by Google Cloud

Sparrow AI – Never wing a call again.