



# 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

1. **Real-time Voice AI Conversations** – ElevenLabs Conversational AI integration for realistic sales roleplay
2. **AI-Generated Prospects** – Gemini-powered persona generation with unique backgrounds and objections
3. **Live Call Scoring** – Groq-powered real-time performance analysis
4. **Post-Call Debrief** – Detailed feedback with timestamped moments
5. **Progress Tracking** – Skill breakdown charts and improvement trends
6. **Coach Sparrow** – AI coaching assistant for sales guidance
7. **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

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*Built for the AI Partner Catalyst Hackathon by Google Cloud*

**Sparrow AI – Never wing a call again.**