



Engineered and Launched in **90 Days.**

Sixteen senior engineers — five of them technical founders — shipping production AI products, marketplaces and mobile apps end-to-end for US startups, operators, and our own portfolio.

20+

PRODUCTS SHIPPED

\$300K+

CLIENT WORK DELIVERED

5

TECHNICAL FOUNDERS

Top 3%

TOP TALENT

WHO WE ARE

Product Engineering Studio. AI is our premium service.

CookieTech Ltd. is a product engineering studio founded in 2023. We are sixteen senior engineers — five of us technical founders — who ship the whole stack ourselves: mobile, web, backend, cloud infrastructure and AI, with no vendor handoffs and no junior hand-offs either.

We work as a technical partner, not a subcontractor. The case studies ahead show twenty-plus products we've shipped — the capabilities on the next page show what that same team is equipped to take on next.

2023

FOUNDED

**Dhaka &
Dublin**

HEADQUARTERS

16

TEAM MEMBERS

20+

PRODUCTS SHIPPED

● **2023**

CookieTech founded

● **2024**

Delivered for 8 clients — multiple products launched

● **2025**

Opened Dhaka office — strategic partnership with Brad Horner

● **2026**

Opened Dublin office

Sixteen engineers. Full-stack range. Hand us the hard part.



AI & LLM Products

Any model type, in production — not just demos.

Proven in: RAG, LangGraph agents, voice AI, generative imaging (BoxOfDox, Cogology, AIDeskHub, NostalgiAI)



Marketplaces & Fintech-Adjacent Payments

Two-sided platforms, money handled correctly.

Proven in: Stripe Connect payouts, signed tamper-proof pricing, integer-cent money (GangIt, ParkSight)



Regulated & Compliance-Heavy Industries

Built for audit, not just for launch.

Proven in: HIPAA-compliant, full audit trails, physician sign-off workflows (BoxOfDox, Cogology, MediMind)



Consumer Mobile at Scale

Both app stores, real payment complexity.

Proven in: Flutter, live on iOS + Android, three payment rails in one app (Pitchle, FRC, NostalgiAI)



Field Service & Operations Tech

Multi-role systems that run a real business.

Proven in: 6-role permissions, hardware integration, real-time dispatch (Fitness Room Concierge)



Cloud-Native Infrastructure

Either major cloud, or no backend at all.

Proven in: Google Cloud and AWS live in production — Cloud Run and ECS Fargate, simultaneously

Four ways to put this team to work.



Team Augmentation

Our senior engineers embed directly in your team, working your sprints, your stack, your standards.



MVP as a Service

Idea to production in as little as 15 days to 3 months — we've shipped both ends of that range.



End-to-End Product Build

Full ownership: mobile, web, backend, cloud and AI — one team, no vendor handoffs.



Fractional Architecture & DevOps

Cloud migration, modernization and ongoing infrastructure — on GCP or AWS.

Six ways we work with you.

Custom Web Applications

from \$12K

React / Next.js

Vue.js

TypeScript

Admin dashboards

Cross-Platform Mobile Apps

from \$25K

Flutter

React Native

iOS

Android

SaaS & Marketplace Platforms

from \$35K

Multi-tenant

Stripe billing

Marketplace

Admin tooling

Cloud & DevOps

from \$5K/mo

AWS

GCP

Docker

CI/CD

AI Studio

from \$20K

RAG pipelines

LLM fine-tuning

AI agents

GenAI

Architecture Modernization

from \$15K

Microservices

Cloud migration

Refactoring

Zero downtime

OUR STACK

What we actually build with.

Every technology on this page is backed by a shipped, client-facing project — not an aspirational list. See the case studies ahead for exactly where each was used.

FRONTEND

Next.js React React Native / Expo Flutter TypeScript Tailwind CSS

AI / LLM

LangChain / LangGraph OpenAI Anthropic Claude Google Gemini
Vertex AI Retell AI FAISS / pgvector

PAYMENTS

Stripe Stripe Connect Apple Pay StoreKit Play Billing

BACKEND / API

FastAPI NestJS Node.js / Express Django

DATA & INFRA

PostgreSQL Supabase Neon Redis AWS GCP Docker
Kubernetes

DEVOPS

GitHub Actions Cloud Build CI/CD

OUR TEAM

Sixteen builders. Five technical founders.

NA

Nasib Shahriar Akash

10+ years in image and video processing

MR

Manon Muhtasin Rahman

10+ years in product development and marketing

SZ

Shougat Mahmud Zihan

12+ years in DB design and architecture

TJ

Tushar Ghosh Joy

13+ years in machine learning and AI

BI

Bishal Imtiaz

10+ years in full stack mobile development

RS

Rejwan Shahriar Shuvro

Product Manager

RI

Rhivu Ishtiak

Full Stack Engineer

MI

Md Jahirul Islam

Full Stack Engineer

NN

Nohel Kumar Nath

Flutter Engineer

SG

Soumik Ghosh

Sr. Full Stack Engineer

AY

Abir Yeaser

Senior Vision Engineer

SR

Sakib Reza

Researcher — Augmented Reality Advisor

NO

Nahidul Islam Omi

Managing Director, Dublin

SA

Sabbir Ahammed

Graphic & UI/UX Designer

MO

Maharabe Sarker Ovi

Senior Digital Marketing Manager

MB

Mohaimin Al Barat

Researcher — Blockchain Advisor

CLIENT WORK



B2B SaaS for DTF print shops

DTF print shops were laying out artwork by hand, where a single scaling error wastes an expensive sheet of film. CookieTech built the canvas editor, the render engine and the full commercial platform around it — storefronts, orders, tax and automatic payouts.

HOW IT'S BUILT

React Canvas Editor



NestJS API · 113 endpoints



Sharp Render Engine · 300 DPI



Stripe Connect + GCS

- Canvas editor that works in real inches (Fabric.js) — not pixels converted late
- Rendering engine: 987-megapixel print files at 300 DPI
- Branded storefronts, orders, automated US sales tax via Anrok
- Stripe Connect payouts with a 7-day settlement delay for refund safety

NestJS

React 19

PostgreSQL

Stripe Connect

Vertex AI

Google Cloud Run

987M

pixels per render, at 300 DPI

\$40,000

VALUE

3 months

DURATION

Live · Phase 2 building

STATUS



CookieTech delivered exactly what we needed — fast, clean, and on budget. Our go-to team for every build.

— Brad Horner, Ganglt

CLIENT WORK

phenomenal

Phenomenal AI

Production infrastructure for AI video generation

VatFilms had a dedicated research team and a working video-generation pipeline — and no way to put it in front of users. CookieTech built the production layer: the interface, the queue, the real-time delivery and the AWS infrastructure that turned a research pipeline into a product.

HOW IT'S BUILT

Next.js Editor



NestJS + AWS SQS Queue



Client's AI Pipeline



S3 Signed URLs · WebSocket

- Real-time editing platform in Next.js for a working video-generation model
- Queue-mediated processing on AWS SQS — the web tier never waits on a GPU job
- Authenticated Socket.IO delivery; reconnect-safe jobs that outlive a browser session
- Full AWS infrastructure: ECS Fargate, ECR, CI/CD

Next.js 14

NestJS

Socket.IO

AWS SQS

AWS ECS Fargate

MongoDB

\$70K+

largest engagement in the portfolio

\$70,000+

VALUE

5 months

DURATION

Delivered · only AWS build

STATUS

“

Our research team had the models working but no way to put them in front of users. CookieTech built everything around them.

— VatFilms / PhenomenAI

CLIENT WORK



BoxOfDox

AI-assisted medical record review for attorneys

Medical records arrive as hundreds of pages of scanned PDFs from multiple providers, and turning them into defensible evidence is slow, expensive expert work. BoxOfDox runs a retrieval pipeline over the records and drafts the report section by section for a physician to sign.

HOW IT'S BUILT



- RAG pipeline at k=40 retrieval, GPT-4.1, section-by-section report drafting
- Physician review workflow — the AI draft and signed final are stored separately
- 3 report tiers priced \$750–\$6,000, configured as data, not code
- Full audit trail: actor, action, IP address and user agent on every event

FastAPI

LangChain

FAISS

GPT-4.1

Next.js

Stripe

\$300K

higher settlement, attributed to one report

\$50,000

VALUE

4 months

DURATION

Delivered · HIPAA

STATUS

”

\$300,000 higher settlement. Their report changed the entire negotiation.

— John T., Personal Injury Attorney

CLIENT WORK



Clinical mental health assessment platform

Practitioners had no centralised system for documenting sessions consistently, and patients had no way to screen themselves before an appointment. Cogology handles both: automatic instrument routing from a pre-screen, and a structured clinical workflow for therapists.

HOW IT'S BUILT



- 5 validated clinical instruments — PHQ-9, GAD-7, ISI, PC-PTSD-5, C-SSRS
- Automatic instrument routing from a 2-minute patient pre-screen
- AI companion built on LangGraph — a stateful clinical path, not a chatbot
- 5-step structured session documentation across patient, doctor and lawyer roles

FastAPI

LangGraph

Flutter

Next.js

PostgreSQL

5

validated instruments, bilingual EN / ES

\$30,000

VALUE

5 months

DURATION

Delivered · HIPAA

STATUS

"

What I value is that they understand the domain, not just the code.

— Heath Wills, Las Vegas NV

CLIENT WORK



Short-form video platform, both app stores

Short-form video looks simple because the incumbents make it look simple. Building it independently means solving capture, compression, storage cost, discovery, moderation and payments all at once, on two operating systems with different rules — and shipping to both stores.

HOW IT'S BUILT



- In-app capture with client-side compression before upload
- Event-based discovery with GeoNames city search
- Comments, direct messaging, push notifications, moderation & blocking
- Three payment rails in one app: StoreKit / Play Billing, Stripe, Apple Pay

Flutter

BLoC

Firebase

Stripe

Apple Pay

StoreKit

3

payment rails, one app, both stores

\$25,000

VALUE

5 months

DURATION

Live · iOS + Android

STATUS

//

CookieTech built and shipped our app to both the App Store and Google Play — over a year of steady delivery.

— Pierre Lucien, Pitchle

CLIENT WORK



Fitness Room Concierge

Maintenance-as-a-Service for commercial gyms

Gym equipment maintenance ran on clipboards and phone calls, with no way to answer the question that costs real money: is this machine still under warranty? CookieTech built four connected products that turn every machine into a tracked asset and every fault into a billed work order.

HOW IT'S BUILT

Flutter QR Scan



FastAPI · 190 endpoints



6-Role Workflow Engine



Next.js Admin · 51 screens

- QR-code fault reporting straight from the gym floor
- Warranty-aware work orders — every machine tracks its OEM & warranty state
- 6-role permission system across 5 interlocking status machines, 190 endpoints
- Zebra thermal-printer integration over Bluetooth for on-site asset labels

FastAPI

Flutter

Next.js

PostgreSQL

Google Cloud Run

190

API endpoints · 51-screen admin dashboard

\$20,000+

VALUE

4 months

DURATION

Live · 4 products

STATUS



Before this, our technicians carried clipboards. Now they scan a QR code and everything they need is on their phone.

— Fitness Room Concierge

CLIENT WORK



ParkSight

Peer-to-peer parking marketplace + event parking

Drivers waste time hunting for parking with no guarantee of a space; property owners have driveways sitting empty with no way to monetise them safely. CookieTech built a full marketplace across mobile and web, plus a second product for pre-booked event parking.

HOW IT'S BUILT



- Two-sided marketplace: map search, hourly / daily / weekly / monthly booking
- Signed, tamper-proof pricing — JWT + nonce, re-validated server-side at booking
- Stripe Connect payout state machine with automatic reversal on failure
- Express Event Parking: QR check-in with atomic, concurrency-tested slot inventory

FastAPI

Flutter

Next.js 15

Stripe Connect

Google Gemini

146

API endpoints across two products in one platform

\$20,000

VALUE

3 months

DURATION

Delivered · 4 products

STATUS

"

CookieTech took ParkSight from concept to a live marketplace on iOS, Android and web.

— Dielmass Group, LLC

CLIENT WORK

CVMatchly

Job aggregator with explainable ATS scoring

Most résumés are filtered by applicant tracking systems before a human reads them, and applicants get no explanation. CVMatchly scores a CV against a job description across five weighted dimensions and returns the reasoning, so the user knows exactly what to change.

HOW IT'S BUILT

5 Job Board Scrapers



Express API



TF-IDF Scoring Engine



React Client + SEO Sitemap

- Daily aggregation from 5 job boards, deduplicated on job URL
- Explainable 5-dimension résumé scoring — deliberately classical NLP, no LLM
- Letter grade, matched & missing keywords, up to 6 fix recommendations
- Programmatic SEO — sitemap for up to 50,000 indexable job pages

Node.js

Express

PostgreSQL

Puppeteer

React

ZERO

per-call AI cost — explainability was the requirement

\$20,000+

VALUE

2+ months

DURATION

Delivered

STATUS

“

The résumé scorer doesn't just give you a number — it shows which keywords matched, which are missing, and what to fix.

— Steven Oliver, CEO, CVMatchly

MediMind

AI prescription scanning + medication adherence

Patients leave the doctor with a paper prescription and good intentions — doses get missed and courses go unfinished. MediMind reads the prescription with a medical-domain AI model and validates every extracted medicine before it's allowed to set a reminder.

HOW IT'S BUILT



- Two-model reading pipeline — MedGemma (medical-domain) with Gemini Vision fallback
- Three-stage validation — match, validate, enrich — before any reminder is set
- Offline-first adherence history on-device with a confirm-dose step
- Original prescription photo retained alongside every extraction

Flutter

MedGemma

Gemini 2.5

Isar

Google Cloud

3

validation stages before a single reminder is set

\$15,000

VALUE

2.5 months

DURATION

In development · HIPAA

STATUS

CLIENT

Heath Wills, Las Vegas NV

CLIENT WORK

Music Near Me

Live music discovery, rebuilt from a no-code MVP

The product existed first on a no-code platform and hit a hard ceiling — an events catalogue with artists, venues and per-user subscriptions is exactly the shape no-code tools handle badly. CookieTech rebuilt it on Flutter and PostgreSQL without losing what the client had validated.

HOW IT'S BUILT



- Rebuilt a no-code / Firebase MVP onto Flutter + PostgreSQL without losing traction
- Clustered map discovery; follow venues, artists and individual events
- Transactional outbox notifications — a push can never describe a rolled-back change
- 3 Deno Edge Functions, zero custom API servers

Flutter

Supabase

PostgreSQL

Deno Edge Functions

Stripe

ZERO

custom API servers — Postgres + Edge Functions only

\$10,000

VALUE

4 months

DURATION

In development

STATUS

”

CookieTech rebuilt it properly on Flutter and Postgres without losing what we'd already validated.

— Josef Hirman, Music Near Me

CLIENT WORK

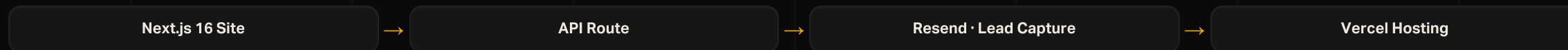


B³ Solutions

Marketing site for an operations consultancy

B³ Solutions sells operational structure to service businesses, so their site needed to demonstrate the same discipline — clear, fast, no clutter. CookieTech delivered it in fifteen days, the fastest and smallest engagement in the portfolio, and a useful reference price point.

HOW IT'S BUILT



- 8-page site structured around the client's own engagement model
- 5 production dependencies — no CMS bloat, fast by design
- Environment-aware canonical URLs; lead capture wired to Resend
- Same client came back for Ganglt (\$40K) and FRC — range from brochure site to platform

Next.js 16 React 19 TypeScript Vercel Resend

15

days, start to live

\$5,000

VALUE

15 days

DURATION

Live

STATUS

//

CookieTech delivered exactly what we needed — fast, clean, and on budget. Our go-to team for every build.

— Brad Horner, B³ Solutions

OUR OWN PRODUCT

AI DeskHub

AI voice receptionist SaaS

Small businesses miss calls — after hours, on a job, serving someone else — and a missed call from a prospect is usually a lost sale. AI DeskHub answers every one with an AI voice agent that knows the business, then hands back a transcript, a sentiment read and a qualified lead.

HOW IT'S BUILT

Website URL Crawl



Gemini Knowledge Base



NestJS + Retell Voice Agent



Structured Call Data

- Onboarding in minutes — paste a website URL and Gemini builds the knowledge base
- Every call becomes structured data: transcript, sentiment, category, extracted lead
- Multi-tenant platform on Retell AI voice agents, enforced at the framework level
- 798 automated tests across 14 of 17 backend modules

NestJS

Retell AI

Google Gemini

Stripe

React

798

automated tests — our own product, our own standard

~\$2,000 MRR

VALUE

4 months to build

DURATION

Live · earning

STATUS

CLIENT

CookieTech · live, US + Canada

OUR OWN PRODUCT



AI photo restoration, iOS

Everyone has a box of photographs slowly disappearing — faded, creased, or simply black-and-white — and professional restoration costs real money per image. NostalgAI does it on a phone in seconds, and CookieTech built and shipped it in a single month.

HOW IT'S BUILT



- Restore, colorize, enhance and repair old photographs via Gemini image models
- Zero backend — the app calls Gemini directly through Firebase AI
- Offline restoration history; before/after comparison as the core marketing asset
- 5-package monorepo with build-enforced architectural boundaries

Flutter

Gemini 2.5 Flash Image

Firebase AI

StoreKit

ObjectBox

ZERO

backend services — concept to App Store in 1 month

~\$500 MRR
VALUE

1 month to build
DURATION

Live · earning
STATUS

CLIENT
CookieTech · live on the App Store

Clients come back — and keep giving us harder problems.

Repeat clients, not one-off builds

Brad Horner — Ganglt, B³ Solutions, and FRC through a strategic partnership.
Heath Wills — BoxOfDox, Cogology and MediMind, an integrated legal-medical suite, ~\$95,000 across three products. Two relationships account for six of thirteen projects.

Real AI depth, across every model type

RAG at production scale (BoxOfDox) · stateful agentic conversation (Cogology, LangGraph) · voice AI (AIDeskHub) · domain vision models (MediMind) · generative imaging (NostalgAI) · and knowing when *not* to reach for an LLM (CVMatchly).

Both major clouds, and zero-backend when that's the right call

Most projects run on Google Cloud — Cloud Run, GCS, Vertex AI. Phenomenal AI runs on AWS — ECS Fargate, ECR, SQS, S3. NostalgAI ships with no backend at all.

Speed that doesn't skip the hard part

B³ Solutions in 15 days · NostalgAI, concept to App Store, in 1 month · Ganglt's 987-megapixel render engine in 3 months · FRC's four connected products in 4 months, both app stores.



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