

Emre Doğan

Cloud & DevOps Engineer · AWS Serverless SaaS · AI-Native Systems

emre30283@gmail.com · github.com/emredogan-cloud

cloudwastehunter.io · vibingcoderai.com · Türkiye ·

Open to remote

SUMMARY

Cloud & DevOps engineer who ships production-grade, multi-tenant SaaS end-to-end — from cross-account AWS infrastructure through Terraform-managed serverless backends to React 19 / Next.js frontends and Flutter mobile clients. Founder and sole engineer of two live AI-native products on AWS (cloudwastehunter.io, vibingcoderai.com), specialising in event-driven architecture, Amazon Bedrock + Claude integration, and FinOps automation. Track record of 700+ commits and ~70000 LOC across recent SaaS work, with infrastructure, billing, observability, and security implemented as first-class concerns rather than afterthoughts.

CORE TECHNICAL SKILLS

Cloud / AWS	Lambda (container images) · API Gateway v2 · Cognito + JWT · DynamoDB · S3 · Bedrock (Claude) · CloudFront + WAFv2 · Athena + Glue · CUR 2.0 · ECR · EventBridge · SQS · STS AssumeRole · KMS · IAM · Secrets Manager · CloudWatch · X-Ray · Budgets
IaC & DevOps	Terraform (modular, multi-env, remote S3 state) · GitHub Actions CI/CD · Docker · ECR image pipelines · CloudFormation (customer-side cross-account templates)
Languages	Python (FastAPI, boto3, asyncio) · TypeScript · Dart · JavaScript · HCL · Bash
Backend	FastAPI + Mangum (ASGI → Lambda) · Node.js 20 · REST + JWT · SSE / streaming over Lambda Function URLs · Async fan-out via self-invocation + SQS
Frontend	Next.js 15/16 App Router · React 19 · Vite 7 · Tailwind v4 · Framer Motion · GSAP · shadcn/ui · next-intl i18n · ISR + cache-tag invalidation · CI-enforced perf budgets
Mobile	Flutter 3 · Riverpod 3 · go_router · Google ML Kit (BlazePose) · Supabase + RLS · RevenueCat · iOS WidgetKit + Live Activities · Android AppWidgetProvider
AI / LLM	Amazon Bedrock + Claude (Sonnet / Haiku 4.5) · Anthropic SDK · Prompt caching (ephemeral cache_control) · Streaming chat · Master-prompt design · Deterministic playbook engines that bound model output
Data, Auth & Billing	DynamoDB (GSI design) · PostgreSQL via Supabase · Athena over Parquet CUR 2.0 · Cognito (Hosted UI, Google IdP) · Clerk · Lemon Squeezy · Stripe · RevenueCat · HMAC webhooks
Observability & Security	Sentry · PostHog · X-Ray · CloudWatch · Cross-account STS w/ ExternalId · CSP · WAF managed rules + rate limiting · RLS · least-privilege IAM · KVKK / GDPR consent gating

FEATURED PROJECTS

Cloud Waste Hunter · cloudwastehunter.io

2026 · live

Founder & Sole Engineer

Production multi-tenant FinOps SaaS that scans connected AWS accounts via cross-account STS AssumeRole + ExternalId, detects 30+ classes of idle / orphaned resources, prices them against the customer's own CUR2.0 data lake, and ships Bedrock-powered remediation. 500+ commits, ~8.2K LOC backend.

- Serverless architecture: API Gatewayv2 + JWT authorizer → containerised Python3.11 Lambda (Mangum + FastAPI) with a dual-mode handler routing HTTP, async scan jobs, and recommendation jobs from one image.
- Cost engine on CUR2.0 lake (Athena + Glue + Parquet) with DynamoDB-cached Pricing API fallback and static-rate floor — exact \$/month with graceful degradation.
- ~19 Terraform files across two phases (~20 AWS services): Cognito + Google IdP, CloudFront + WAFv2, EventBridge → SQS → worker Lambda for scheduled scans, Lambda Function URL for SSE chat to bypass the 30s API GW timeout, S3 offload for >400KB results with 30-day lifecycle.
- Bedrock + Claude with ephemeral prompt caching (~90% input-token reduction) and a 5-strategy JSON extractor; model is advisory-only, destructive CLI is emitted by a deterministic playbook engine.
- Tiered SaaS monetisation: Cognito users, DynamoDB subscriptions, LemonSqueezy + HMAC-verified webhooks, per-tier scan-type / daily-limit enforcement.

Stack · AWS Lambda · FastAPI · Bedrock + Claude · Terraform · CUR 2.0 / Athena · Cognito · React 19 + Vite + TS · CloudFront + WAF · Lemon Squeezy

VibingCoderAI · vibingcoderai.com

2026 · live

Founder & Sole Engineer

Live “Prompt Engineering as a Service” platform that turns natural-language requests into structured execution kits — architecture, scaffolding commands, agent instructions — for Claude Code, Cursor, Copilot.

- Next.js16 App Router on Vercel with AWS Amplify v6 + Cognito Hosted UI and a custom OAuth callback bypass keeping the flow on a single domain.

- Containerised Node 20 Lambda behind API Gateway REST, Claude Haiku4.5 with GA prompt caching and an X-Ray-traced generation path; two-bucket credit economy (subscriptions + one-time top-ups) with strict before/after tier comparison.
- End-to-end Terraform: API Gateway, Lambda, Cognito, DynamoDB, AWS Budgets with \$15/mo threshold, ECR registry, CloudWatch + JSON access logs. LemonSqueezy webhooks drive transaction state from the DB, not polling timers.

Stack · Next.js 16 · AWS Lambda (Node 20) · API Gateway · DynamoDB · Anthropic SDK · Terraform · Cognito · Lemon Squeezy

SixPackAI / FormAI · pre-launch · iOS & Android

2026

[Lead Engineer](#)

Cross-platform Flutter fitness coach with on-device pose AI for live rep counting and form correction. ~61KLOC of Dart across 177 files; 138 exercises routed through 8 specialised pose analyzers; Turkish onboarding + 30-day adaptive plan.

- Google MLKit BlazePose feeds per-exercise PoseAnalyzer classes that score form, count reps, and trigger TR voice cues in real time.
- Supabase Postgres + RLS, RevenueCat subscriptions mirrored to pro_entitlements via a Deno Edge Function as the server-side source of truth; 4-layer crash guard guarantees runApp() is reached even when every dependency below it is broken.
- Observability: Sentry breadcrumbs with PII-scrubbing beforeSend + typed PostHog facade, gated by a KVKK / GDPR consent layer.

Stack · Flutter · Dart · Riverpod 3 · Google ML Kit · Supabase + RLS · RevenueCat · Sentry · PostHog · iOS WidgetKit

ADDITIONAL WORK

Lumina ·

2026

[Architect & Engineer](#)

Premium editorial publishing platform — Next.js 15 + React 19 + TS-strict + Tailwind v4 monorepo (pnpm workspaces). Sanity CMS, Clerk auth, Stripe billing, Algolia search, Cloudflare edge caching, internationalised across en / tr / es with next-intl. 11 phases shipped under hard performance budgets (homepage 140KB first-load JS, profile 180KB) enforced by a custom CI script. 96 profile prerenders × 3 locales, 38/38 unit tests green.

Stack · Next.js 15 · React 19 · Sanity · Clerk · Stripe · Algolia · next-intl · Cloudflare

AWS Boto3 Suite — Aegis · CloudWarden · Cost Radar · Zombie Hunter · Env Scheduler ·

2026

[Author](#)

Eight production-grade Python/boto3 automation tools, each with its own GitHub Actions CI: Terraform-like idempotent provisioning & teardown (Aegis), serverless FinOps with EventBridge + Slack alerting (CloudWarden), multi-region cost / zombie-resource auditing (aws-cost-radar, aws-zombie-hunter, cloud-janitor-ebs), tag-based EC2 power scheduling (aws-environment-scheduler).

Stack · Python · boto3 · Docker · GitHub Actions · DynamoDB · EventBridge · Slack API

WiFi Security Lab ·

2026

[Author](#)

OSWP / CEH / Pentest+ exam-prep package: scapy-based 802.11 deauthentication PoC, monitor-mode lab setup script, and a defense-side playbook documenting detection, rate-limiting, PMF/802.11w, and IDS signatures. Lab-only; legal & ethical use documented inline.

Stack · Python · scapy · aircrack-ng · Linux wireless stack

ENGINEERING PRINCIPLES

Production-first.

Every system designed for real users from day one. No prototypes posing as products.

Cost-aware engineering.

Every architectural choice considers \$/request. At scale, decisions compound.

Infrastructure as code.

Reproducible. Version-controlled. No console-clicked surprises in production.

AI as leverage.

Augment with AI; never replace engineering rigor. Models hallucinate. Types don't.

ENGINEERING STRENGTHS

- End-to-end SaaS ownership — auth, billing, infra, frontend, mobile, observability in one head.
- AWS-native serverless patterns: dual-mode handlers, async self-invoke + SQS fan-out, Lambda Function URLs for streaming, EventBridge cron, S3 offload for large payloads.
- Cost engineering with real data (CUR2.0 + Athena, DynamoDB-cached Pricing API) and multi-tenant isolation (cross-account STS, Postgres RLS, per-tier RBAC, HMAC webhooks).
- LLM systems with deterministic safety boundaries: model advises, deterministic engines act.