

BABAK MILANI

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PROFESSIONAL SUMMARY

Full-stack developer with hands-on experience building and shipping production SaaS applications end-to-end. Skilled in designing scalable architectures across cloud platforms (AWS, GCP, Firebase), implementing payment systems, AI integrations, and real-time communication features. Strong track record of independently delivering complex, user-facing products from concept through deployment and maintenance.

TECHNICAL SKILLS

Languages & Frameworks: JavaScript/Node.js, Python, React, React Native, FastAPI, Express

Cloud & Infrastructure: AWS (Lambda, DynamoDB, S3, Cognito, SES, API Gateway), Firebase, GCP, Railway, Cloudflare Workers/Pages

Databases: PostgreSQL, Firestore, DynamoDB, Supabase

APIs & Integrations: Stripe, Claude AI API, Azure Cognitive Services, WebRTC, GitHub API, Cloudflare API, Resend, Google Sheets API

Mobile & DevOps: iOS (Xcode), Android Studio, WebSockets, CI/CD, Docker, PM2, Playwright

PROJECT EXPERIENCE

Alimi.ai — *AI-Powered Website Generation Platform*

Full-Stack Developer | Live product serving paying customers

Built an end-to-end SaaS platform that generates complete, production-ready websites for small businesses using AI. Customers select a package, provide business details, and receive a fully deployed website with custom domain, SSL, and working contact forms.

- Integrated Claude AI API to dynamically generate React + Vite codebases tailored to three package tiers (landing pages, multi-page sites, e-commerce stores with shopping cart and admin dashboard)
- Engineered automated deployment pipeline: Stripe payment → AI code generation → GitHub repo creation → GitHub Pages deployment → Cloudflare DNS configuration
- Developed Playwright-based browser automation with AI self-healing for domain registrar operations, eliminating manual intervention
- Implemented real-time contact form system with CORS-enabled API endpoints, Firestore storage, and Resend email notifications
- Built customer dashboard for website modifications, analytics, and contact form submission management

Tech: Node.js, Express, React, Firebase/Firestore, GitHub API, Cloudflare API, Stripe, Resend, Claude AI API, PM2, GCP

Mamnoon.ai — *Cross-Platform Video Calling with Real-Time Translation*

Full-Stack Developer | Published on iOS App Store and Google Play

- Built production React Native application from scratch, deploying to both iOS App Store and Google Play Store with native performance optimization
- Implemented WebRTC video calling with custom P2P signaling, handling mobile-specific challenges including background state management, network transitions, and permission handling
- Designed scalable FastAPI/Python REST API handling authentication, video session orchestration, payment processing, and real-time WebSocket connections
- Architected PostgreSQL database schema using Supabase with row-level security, managing user profiles, subscription tiers, and usage tracking
- Integrated Azure Cognitive Services for speech-to-text, real-time translation, and text-to-speech across 50+ languages
- Implemented Stripe subscription lifecycle management with webhook handlers and usage-based billing

Tech: React Native, iOS/Xcode, Android Studio, Python/FastAPI, WebRTC, PostgreSQL/Supabase, Stripe, Azure Speech APIs, Railway

Centrix.Email — *Email Marketing Platform*

Full-Stack Developer | Production SaaS with pay-per-send model

- Built serverless architecture using AWS Lambda, API Gateway, and DynamoDB for scalable, cost-effective email campaign operations
- Developed responsive React frontend with template selection, drag-and-drop campaign builder, and real-time analytics dashboard
- Implemented comprehensive security: CSV upload validation, formula injection prevention, rate limiting, input sanitization, and daily send limits
- Integrated Stripe payment system with checkout sessions, webhook handling, and tiered pricing based on send volume
- Configured AWS Cognito authentication with email verification, password reset, and secure session management

Tech: React, Node.js, AWS (Lambda, DynamoDB, S3, Cognito, API Gateway), Stripe, Resend, Cloudflare

CSV Cleaner — *Privacy-First Email List Cleaning Tool*

Full-Stack Developer | GDPR-compliant SaaS product

- Designed privacy-first architecture where user data never touches the server, ensuring GDPR compliance through client-side processing
- Built serverless backend using Cloudflare Workers for globally distributed, low-latency operations
- Implemented Stripe payment integration with seamless checkout-to-download flow and instant file delivery

Tech: React, Tailwind CSS, Cloudflare Workers, Firebase Auth, Stripe, Resend API

WORK EXPERIENCE

Web Developer, Rossi Mission SF, San Francisco CA, Nov. 2024 - Dec. 2025

Pen-Tester, Bugcrowd, Remote, Jan. 2024 - Oct. 2024

IT Helpdesk, PM Modern Engineering, San Jose CA, Jan. 2023 - Dec. 2023

EDUCATION

Bachelor of Science in Computer Science, Minor in Information Systems | 2023 | San Francisco State University

Associate of Science in Application Security | 2023 | Merritt College