

David Brent C. Panonce

CTO & Co-founder, FrontierAI | Full Stack AI Engineer | Agentic Systems Architect

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PROFESSIONAL SUMMARY

Technical Leader and CTO with 5+ years of experience, specializing in Agentic Engineering and high-velocity MVP development. Pioneer of "Intent-Based & Guided Development," a hybrid approach that leverages AI-driven generation ("Vibe Coding") backed by rigorous technical oversight and architectural control. Expert in the Quickstack (Next.js, FastAPI, Google ADK), focusing on building production-ready autonomous systems while maintaining deep awareness and manual refinement of all AI-generated outputs

CORE COMPETENCIES

- AI Orchestration & Guided Coding: Expert-level oversight of AI-generated systems using Model Context Protocol (MCP) for tool-calling and data integration. Advanced multi-agent orchestration via Google ADK, LangChain, and production-grade RAG pipelines.
- Model-Native GTM Strategy: Engineering the "ChatGPT App Store Funnel"—utilizing LLM marketplaces as high-conversion distribution channels to drive high-intent traffic into standalone SaaS applications.
- The "Quickstack": Rapid MVP development and deployment using Next.js/React, FastAPI (Python), and Supabase/Firebase, orchestrated on Google Cloud Run and Vercel for high-concurrency AI workloads.
- Architectural Leadership: Designing Composable AI Ecosystems; deep expertise in cloud-native infrastructure, secure API design, and scalable backend architectures for agentic systems.

- Mobile Engineering: Flutter Expert (5+ years) specializing in Dart, offline-first architecture, secure Fintech solutions, and TDD-driven mobile banking applications.

PROFESSIONAL EXPERIENCE

Co-founder & CTO | [FrontierAI Works](#) | July 2025 – Present

AI Agentic Engineering Consultancy

- Founded an AI consultancy focused on deploying autonomous agent systems for startups.
- Guided AI Development: Lead the technical direction of all projects, ensuring that AI-generated code meets production standards for security, performance, and maintainability.
- Project nōna: Architected a real estate AI agent platform, implementing CMS integration and agentic property matching with high-level technical steering. [Case Study](#).
- Content Machine: Built a LinkedIn "Content Copilot." Successfully executed a 30-day startup challenge, taking the product from concept to revenue through rapid, developer-guided iteration. [Case Study](#).

Co-founder & CTO | [Datos Pilipinas](#) | March 2022 - Present

Civic-Tech Organization

- Co-founded civic-tech organization leveraging data and technology for voter empowerment
- **Built VeriPol**, a national election voter education app using Flutter, Firebase, and optimized local JSON storage serving thousands of Filipino voters
- Created custom hierarchical location filter from region to barangay to improve offline performance
- **Pioneered SenatorMatch**, a RAG-powered senatorial candidate matcher using MongoDB embeddings and AWS Lambda
- Led technical architecture decisions for civic engagement platforms

- **Technologies:** Flutter, Firebase, Next.js, MongoDB, FastAPI, LangChain, OpenAI, AWS Lambda

Co-founder & CTO | Dexcribe | May 2025 - Present (Paused)

AI Legal-Tech Startup

- Built AI-powered legal assistant for contract analysis and Philippine jurisprudence using RAG pipelines
- Scraped and chunked Supreme Court rulings (2021-2025) for vector search and clause-level retrieval
- Solved streaming limitations on AWS Lambda by integrating Unicorn web adapter for real-time SSE
- Developed complete stack using Next.js, FastAPI, MongoDB vector store, and OpenAI APIs
- **Submitted to Y Combinator Summer 2025 batch**
- **Technologies:** Next.js, FastAPI, MongoDB, LangChain, OpenAI, AWS Lambda, Vector Search

Co-founder & CTO | GetYourCoachAI | March 2025 - Present (Paused)

AI Voice Coaching Startup

- Developed career mentoring AI app with voice agents using Flutter, NestJS, and VAPI
- Forked and customized VAPI Flutter library to meet internal requirements
- Designed user flows for goal setting, north star alignment, and agent-guided mentorship
- **Submitted MVP to Y Combinator Spring Batch** as voice-first career development app
- **Technologies:** Flutter, NestJS, VAPI, OpenAI, NeonDB, DrizzleORM

Web Developer | Simply Source | June 2024 - March 2025

Software Development Agency

- Refactored monolithic React+Ruby SSR app into modern decoupled Next.js frontend
- Led UI revamps and shipped new business features for DDS clinic management dashboard
- Improved collaboration across frontend/backend by modularizing components and data flow
- Contributed to mobile app improvements including architecture and development planning
- **Technologies:** Flutter, React.js, TypeScript, TailwindCSS, Ruby on Rails

Software Flutter Engineer | NXTBK, INC. | October 2023 - March 2025

FinTech Company

- Developed secure, high-performance mobile banking apps for **RCBC Boz, Vigan Bank, and OnePuhunan** using Flutter
- **Led internal R&D sessions** on Flutter DevTools, Flutter Hooks, and test automation via Maestro.dev
- **Championed Test Driven Development (TDD)** and integrated CI/CD pipelines ensuring consistent quality and deployment reliability
- Collaborated closely with QA and PM teams to address bugs, performance issues, and user feedback in real-time
- **Technologies:** Flutter, Dart, Firebase, Maestro.dev, CI/CD Pipelines

Flutter Application Developer | Håndværker.dk PH | January 2023 - October 2023

Danish Production Applications

- Maintained and improved two production apps serving homeowners and craftsmen in Denmark
- **Migrated legacy iOS app to Flutter**, enabling cross-platform capability and expanding market reach

- Handled bug fixes and feature updates directly in production environments without staging buffers
- Owned app releases across TestFlight and Play Store with seamless rollout strategies
- Successfully maintained legacy application in production for 3+ years with substantial user base
- **Technologies:** Flutter, Dart, Firebase

FullStack Developer Intern | Sun* Philippines | July 2022 - August 2022

Software Company

- Studied and applied React and Python Django frameworks for full-stack web development
- **Led a team of interns** in developing comprehensive Human Resource Information System (HRIS) from ground up
- Successfully presented completed HRIS application to stakeholders at program completion
- **Technologies:** React.js, Python, Django, JavaScript, HTML/CSS

Co-founder & Lead Frontend Engineer | Arde Tech | May 2021 - June 2022

Tech Startup

- Launched multiple early-stage civic and enterprise startup tools using Flutter
- Built **TheoLearn** (theoretical driving prep app) and **Purchaseer** (digital procurement system)
- Led frontend development of **Tracy**, an offline contact tracing tool deployed at CTU-Argao using QR technology
- Mentored junior developers and drove design decisions across startup experiments
- **Technologies:** Flutter, Dart, Firebase

TECHNICAL EXPERTISE

- **AI & LLM** - MCP (Model Context Protocol), Google ADK, Custom GPTs, RAG, VAPI
- **The Quickstack** - Next.js, FastAPI, Supabase, Firebase, React, Tailwind CSS
- **Mobile** - Flutter, Dart, Riverpod, BLoC, Clean Architecture, Maestro.dev
- **Infrastructure** - GCP, Google Cloud Run, Vercel, AWS Lambda, Docker, GitHub Actions
- **Developer Philosophy** - Guided Coding, Intent-Based Development, TDD, Agile

EDUCATION & CERTIFICATIONS

Bachelor of Science in Computer Engineering | MAGNA CUM LAUDE

Cebu Institute of Technology University

Professional Certifications:

- **4X Meta Front-End Developer Professional Certificate**
 - Introduction to Front-End Development
 - Programming with Javascript
 - HTML and CSS in-depth
 - Version Control
 - React Basics
- **Google IT Automation** - Crash Course Python
- **Full Stack Developer Training** - React.js and Python Django
- **Deep Learning AI Short Courses**
 - LangChain for LLM Application Development

SPEAKING & COMMUNITY

- **Talk: Multi-agent Systems with Google ADK** - AI Pilipinas Cebu (May 2025)
- **Talk: "Your Next GTM Strategy Might Live Inside ChatGPT"** – VIBE GTM Singapore (Nov 2025).
- **Technical Writing** - Articles on agentic AI development using Google Agent Development Kit in Medium
- **Community Leadership** - Co-lead of AI Pilipinas Cebu
- **Mentorship** - Guiding developers in AI technologies and mobile development