Jorge G. Bocobo

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Full-stack developer and BS Computer Science graduate (UPLB, 2026) building production web apps with Next.js/React, Node.js, FastAPI, and LLM-powered features. Led a 2-engineer team shipping 4 live web apps, and first-authored a Springer-published paper (PAAMS 2026).

Education

University of the Philippines Los Baños — Laguna, Philippines
Bachelor of Science in Computer Science — *Sept 2022 – July 2026*

Experience

Lead Software Engineer — Jan 2026 – May 2026
Mornings in the Lab Live Network — *Remote*

- Led **2 senior engineers** shipping **4 production web apps** on one stack (Next.js 16, React 19, TypeScript, Firebase)
- Built **mornings.live** from scratch: a show-ops hub unifying **20+ Notion databases**, live streams, Gemini AI coaching, and analytics
- Shipped **itstartswithjoy.live**, a community platform with AI coaching, live-broadcast sync, and challenge tracking
- Built **mitl.studio**, turning show concepts into AI-generated blueprints and thumbnails, with automated booking emails
- Built **mornings.network**, a Netflix-style streaming app (React + FastAPI on Google Cloud Run)

Full Stack Developer — Sept 2025 – Jan 2026
InterConnect (joininterconnect.com) – Client Project — *Remote*

- Built an AI career platform for university students with **3 Stripe subscription tiers** (Free, Ascend, Apex)
- Developed Career GPT, a Gemini chatbot with **RAG**, dynamic model selection, and live job search
- Shipped **3 premium AI tools** (resume analyzer, networking question generator, email composer) with usage limits
- Fixed a production bug leaving **paying users on the Free tier**, traced to an unwired Stripe webhook
- Deployed on AWS Lightsail + Supabase PostgreSQL with JWT auth and **two-layer access control**

Projects

Pulse: Claude API Slack Agent | *TypeScript, Slack Bolt, Claude API, SQLite* — github.com/jorgebocobo9/pulse

- Built a Slack agent that answers campaign questions in plain English using **Claude tool calls** to a SQLite database
- Designed a **human-in-the-loop approval flow** for risky actions, with expiry, an audit log, and double-click protection
- Added event deduplication, token caps, and a **daily API budget**; verified with **104 CI tests** and 30/30 evals

Publications

Simulating the Barkada Effect: An Agent-Based Model of Digital Payment Adoption Among University Students

- **J. Bocobo** (first author), Z. Arnejo. *PAAMS 2026*, Springer LNAI 17174, pp. 40–51, doi:10.1007/978-3-032-41794-7_4
- Undergraduate Special Problem: models peer-driven adoption with **72.3% exact-state accuracy**

Technical Skills

Languages: Python, JavaScript, TypeScript, Java, C, PHP, Swift, Dart
Web: Next.js, React, Vue.js, Node.js, Express.js, FastAPI, Laravel, Tailwind CSS, Vite
AI: Claude API (tool use), Gemini API, RAG, LLM integration, AI agent orchestration, prompt engineering
Cloud & DevOps: Vercel, AWS Lightsail, GCP Cloud Run, Firebase Hosting, Docker, Nginx, Linux, Git
Data & State: Supabase (PostgreSQL), Firebase Firestore, MySQL, MongoDB, Zustand, tRPC
APIs: Stripe, Notion API, YouTube Data API, Resend, EmailJS, WebSockets
Mobile: SwiftUI, Flutter, Android Studio