Kobe Brian Santos

Full-Stack Developer
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EDUCATION

Bulacan State University — Bulacan, Philippines
Bachelor of Science in Information Technology, Cum Laude (GWA: 1.6) — Jul 2025

EXPERIENCE

Philippine Savings Bank (PSBank) — Makati City, Philippines
Software Engineer — Jun 2026 – Present
Stack: C# .NET Core, Oracle 19c, PL/SQL, React.js, TypeScript, Node.js, PM2

- Develop the Supplier E-Portal, the bank's supplier and contract system, owning contract computation and invoice syncing.
- Implemented backdated daily-rate support across Oracle PL/SQL packages, reworking the maker-checker approval flow to archive superseded rates before update and preserve a complete audit history.
- Built a TypeScript validator for contract CSV uploads covering required columns, date parsing, backdated-date rejection, and duplicate detection against staged records, catching bad data before it reaches the database.
- Resolved a token-refresh race condition in the Node.js API proxy by adding a server-side token cache with single-flight deduplication, stabilizing sessions under PM2 cluster mode.

Land Registration Systems Inc. — Quezon City, Philippines
Junior Full-Stack Developer — Feb 2025 – Jun 2026
Stack: C# .NET Core, Dapper, Angular 20, AngularJS, Next.js, MSSQL, Sybase, Sequelize, GitLab CI/CD

- Shipped a PRMS automation module serving 200+ Land Registration Authority branches with auto-generated procurements, consumption-based stock monitoring, and configurable real-time stock alerts, cutting manual procurement work by ~50%.
- Built a payment-gateway response decoder and a cron server that recovers up to 10 missed transactions a day.
- Engineered an item loss tagging system that blocks lost assets from progressing through procurement workflows, removing a manual reconciliation step and creating an audit trail for central office officers.
- Migrated legacy AngularJS screens to Angular 20 with reusable Material components and server-side paging in Sybase.

Raksquad Tech — Remote
Full-Stack Developer (Contract) — Jul 2023 – Jan 2024
Stack: Next.js, Node.js, Express.js, MongoDB, Socket.IO, MUI, Digital Ocean

- Architected and delivered Truesight, a real-time image transaction platform for theme parks with an in-app editing interface, stress-tested to handle 10 concurrent processors uploading 200+ photos simultaneously from mobile.
- Implemented real-time photo delivery and transaction sync via Socket.IO, so many customers can buy photos at once.

Iona Innovations Labs — Remote
Full-Stack Developer (Contract) — Oct 2022 – Apr 2023
Stack: Next.js, React.js, TypeScript, Node.js, Express.js, MongoDB, GraphQL, Auth0, React Native

- Owned backend APIs (RBAC, Auth0) for a live job-matching platform for medical professionals, shipped in 2 months.

PRODUCTS AND PROJECTS

Mochi · Mascot Studio | Next.js, React Three Fiber, PostgreSQL, Drizzle, OpenAI API — mochi-mascot-demo.vercel.app

- Brand description to procedural 3D mascot, logos, brand kit and sticker packs; credit ledger with AI spend caps.

Director | Swift, SwiftUI, ScreenCaptureKit, AVFoundation — director-app.pages.dev

- Built and sell ($29) a macOS screen recorder with a real-time compositor for auto-zooms, cursor smoothing and 4K export.

Architecture Trainer | JavaScript, Canvas, Claude Code subagents — architecture-trainer.vercel.app

- System-design trainer that runs your architecture through a deterministic traffic simulation and scores it.

Ensemble | TypeScript, Node.js, Fastify, SQLite, React — github.com/kobekobe0/ensemble

- Runs Claude Code, Codex and Gemini as one team in parallel git worktrees, with cross-provider code review.

LidLogic | Swift, IOKit HID, Core Animation, Sparkle — lidlogic.pages.dev

- Built and sell ($2) a menu-bar app that dims and blurs the screen as the MacBook lid closes, at ~0.5% CPU.

NAVQMS: Admin Portal and Client App | Node.js, React.js, PostgreSQL, Sequelize, Shadcn — Apr 2024 – Oct 2024

- Multi-tenant license and access-control portal with per-company databases, plus the client app for QMS workflows.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, C#, Swift, SQL, PL/SQL, PHP
Frontend: React.js, Next.js, Angular 20, AngularJS, Angular Material, React Native, SwiftUI, three.js, Tailwind CSS
Backend: Node.js, Express.js, C# .NET Core, Dapper, Laravel, REST APIs, GraphQL, Socket.IO, BullMQ
Databases: Oracle 19c, PostgreSQL, MSSQL, Sybase, MySQL, MongoDB, Redis, Prisma, Sequelize, Drizzle
AI: Claude Code (subagents, hooks), Codex CLI, Gemini CLI, Claude API, OpenAI API, MCP, multi-agent orchestration
DevOps and Auth: GitLab CI/CD, Digital Ocean, PM2, NGINX, JWT, Auth0, RBAC