

Aldrick Bonaobra

AI-enabled architect & Software Developer | Blockchain, AI & Infrastructure

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SUMMARY

Solutions architect and full-stack software developer with 5+ years building production-grade systems across blockchain, AI, and cloud infrastructure. Architected and deployed smart contracts on multiple EVM networks for DeFi, NFT, and token applications at SparkPoint and MetaGaming Guild; led smart contract security reviews and AI integration as Blockchain & AI Tech Lead. Built Koneksi, a secure cross-platform backup and file management platform with real-time sync, CI/CD pipelines, and IaC-provisioned infrastructure. Placed 13th worldwide at Decentraland Game Jam 2019 (100+ entries). Works across the full stack in Go, TypeScript, Solidity, and Python, deploying to AWS, DigitalOcean, Proxmox, and self-hosted environments via Docker, Kubernetes, and Terraform.

EXPERIENCE

Full Stack Software Engineer — AR Data Technologies

Feb 2025 – Apr 2026

- Built Koneksi, a secure backup and file management platform with real-time sync and device registration.
- Developed cross-platform desktop apps with auto-update and admin dashboard features.
- Contributed to an AI chatbot backend and a blockchain wallet browser extension.
- Delivered CI/CD pipelines and provisioned infrastructure via IaC.

Blockchain Developer → Senior Blockchain Developer → Blockchain & AI Tech Lead — SparkPoint

Dec 2020 – Feb 2025

- Architected and deployed smart contracts across multiple EVM networks for DeFi, NFT, and token applications.
- Managed internal server infrastructure and built scalable blockchain data indexing via Subgraph GraphQL.
- Led technical strategy, smart contract security reviews, and AI integration as Blockchain & AI Tech Lead.
- Contributed to SRK winning Crypto of the Year 2020 and 1st Place Top 10 Crypto Gainers on BitMart (4,553% YTD).

Senior Blockchain Developer — MetaGaming Guild

Jan 2022 – Feb 2025

- Deployed a native gaming token on Ethereum and Binance Smart Chain.
- Built NFT smart contracts for MetaSaga Warriors including marketplace and play-to-earn rewards.
- Integrated blockchain contracts with Unity game clients.

Application Administrator — Camalig Bank, Inc.

Dec 2019 – Dec 2020

- Provided technical support for the CBI Mobile Banking Project end-to-end.
- QA-tested the mobile banking app with the developer company.
- Deployed and maintained cloud and automation workflows.

Blockchain Developer — Ownly

Jun 2019 – Dec 2019

- Developed smart contracts and blockchain integration for CryptoSolitaire card game.
- Placed 13th worldwide (100+ entries) at Decentraland Game Jam 2019.

Intern — RAFAL V

Nov 2018 – Mar 2019

- Built a Chemical Analysis Management system as a university thesis using PHP and MySQL.

Intern — LMN Technologies

Jul 2018 – Oct 2018

- Developed game logic in Unity/C# for a 2D platformer as a university internship.

- Sole founder/developer of an 8-product SaaS ecosystem for Filipino SMEs and jobseekers — ~161K lines of TypeScript/SQL, 10 repos, ~1,200 commits, owning product, architecture, DevOps, security, and compliance end-to-end.
- Built ObraHaus Console — centralized identity and billing hub (Next.js 16, Supabase Postgres, 34 migrations) with apex-domain SSO, ES256 JWT/JWKS verification, TOTP/AAL2 step-up, and RLS-backed entitlement RPCs across all downstream products.
- Integrated PayMongo subscription billing end-to-end — GCash, Maya, BPI, and UnionBank checkout, webhook-driven plan activation, append-only billing ledger, and an admin payments console (MRR, reconciliation, webhook drill-down).
- Designed ObraHaus Governor — metered AI/SMS/email API gateway (Express, Redis, BullMQ) with reserve-stream-settle credit ledger, three nested spend windows, Redis admission semaphore for SSE streaming, and 400+ model OpenRouter/DO routing.
- Shipped three production SaaS products — FileForge (sandboxed Docker conversion workers, public REST API, MCP server), Rezume (AI ATS résumé builder), and Job Atlas (GraphQL job matcher with 0-100 scam-risk scoring and SMS alerts).

SKILLS

Smart Contract Development · DApps · Web3 · Decentralized Games · Docker · Kubernetes · AWS · DigitalOcean · Proxmox · Terraform · Self-hosting · Go · JavaScript/TypeScript · Solidity · Python · Web Application Development (Front-end to Back-end) · AI Integration · Workflow Automation · Git · Linux · CI/CD · Ansible · JavaScript · React · Node.js

EDUCATION

Bicol University

2015 - 2019

Bachelor of Science · Information Technology

AWARDS

13th Place — Decentraland Game Jam 2019

2019-10

Decentraland

13th out of 100+ entries from around the globe in Decentraland Game Jam 2019. Developed and submitted a 3D solitaire game in less than 2 weeks. Won 25,000 MANA + LAND. <https://twitter.com/decentraland/status/1182735218018525184>

Champion — SciTech Computer Programming Competition

2017-07

Bicol University

SciTech Computer Programming Competition Certificate Image: <https://photos.app.goo.gl/cAR8DFeq9dYKCFD8A>

Honoric-Academic Awardee

2019-03

Bicol University

Certificate Image: <https://photos.app.goo.gl/JzDTGwZ1t5LWZzYy6>

Finalist (Top 9) — Flutter Philippines Online Hackathon

2019-11

Flutter Philippines

Together with BicolIT, an Online hackathon organized by Flutter Philippines. Top 9 out of 30+ entries and 85 participants. <http://bit.ly/flutterfinalists>

Presenter — BUCS Student Research and Development Forum

2019-03

Bicol University

Nominated and presented our project for the best thesis

2nd Place — Computer Programming Competition

2017-02

Bicol University

Bicol University Computer Programming Competition Certificate Image: <https://photos.app.goo.gl/n7jXaPhjA6WWwiLk9>

2nd Runner Up — Computer Programming Competition

2016-07

Bicol University

Computer Programming Competition Certificate Image: <https://photos.app.goo.gl/idXgfEUkmec6sUpD7>

--- — VOLUNTEERING

Mentor — SparkLearn EdTech

2021

Blockchain Developer Bootcamp 2021

Speaker — Bicol University

Feb 2020

Talk about the Blockchain Technology during the "Blockchain and Augmented Reality: An Application through Emerging Technology" at 2/F Activity Center Pacific Mall, Legazpi last February 29, 2020.

Speaker — BICOLIT.ORG

Nov 2019

Talk about Blockchain Technology together with Bicol IT during the "FABFEST3: 3rd Philippine Fablab Conference and Exhibit" last November 7. Held at Legazpi City, Albay. Event Page: <https://web.facebook.com/FabFest-3-100361754659623/>
Photo/s Link: <https://photos.app.goo.gl/f2hgo7vhLoGGChWQ6>

Facilitator — BICOLIT.ORG

Dec 2019

Talk about Git and Git Flow basics, a version control tool, and help in facilitating the Bicol IT Org.'s Flutter Workshop in Ctrl Alt Work, Legazpi city, Albay, 4500 last December 7, 2019 (part 1), and January 18, 2020 (part 2). Event Details: <https://web.facebook.com/events/3144299148976451/>

Mentor — Startup Weekend

Nov 2019

Mentor the startup participants about blockchain technology during the Startup Weekend Bicol 2019 held at Ctrl Alt Work, Legazpi City, Albay last November 15-17, 2019. Event Page: <https://web.facebook.com/swbicol/>

Speaker — Bicol IT Blockchain Meetup

Aug 2019

Talk about "What are Non-Fungible Tokens?" during the Bicol IT Blockchain Meetup 0x2 last August 3, 2019. Held at Ctrl Alt Work, Legazpi City, Albay. Event Details: <https://web.facebook.com/events/928112354202032/>

Mentor — Lamina Studios

Sep 2018

Mentor Divine Word College of Legazpi students during their seminar with Lamina Studios about the basics of game development. Photo/s Link: <https://photos.app.goo.gl/53p9ReLrpmFbVqan9>

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