

Aldrick Bonaobra

Full-Stack Engineer + DevOps Engineer | Blockchain & AI Specialist

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Summary

Full-Stack Engineer and DevOps Engineer with expertise in blockchain technology and AI integration. Proficient in designing and deploying scalable web applications, smart contracts, and decentralized applications. Skilled in containerization and infrastructure automation using Docker, Kubernetes, and cloud platforms including AWS and DigitalOcean. Demonstrated experience managing full project lifecycles from requirements gathering to production deployment. Committed to privacy-focused solutions, continuous learning, and implementing emerging technologies in production environments.

Experience

Full Stack Software Engineer

AR Data Technologies | Contract | Remote

Feb 2025 – April 2026

Developing and maintaining end-to-end applications, architecting scalable solutions using modern front-end and back-end technologies. Responsible for full project lifecycle from requirements gathering to deployment, ensuring seamless user experiences and robust system architecture.

Blockchain & AI Tech Lead

SparkPoint | Remote

Dec 2024 – Feb 2025 (3 months)

Led blockchain and AI initiatives, managing technical strategy and implementation for cutting-edge solutions. Oversaw development teams, provided technical guidance on smart contract architecture, and integrated AI capabilities into existing blockchain infrastructure. Responsible for technology decisions, code reviews, and ensuring best practices across blockchain and AI implementations.

Senior Blockchain Developer

SparkPoint | Freelance | Remote

Jun 2021 – Nov 2024 (3 years 6 months)

Managed the company's internal servers while creating complex blockchain solutions. Expanded skillset by working with Serverless Frameworks and Subgraph GraphQL. Provided blockchain support to all projects granted

to SparkPoint, driving the native cryptocurrency SparkPoint SRK to become 1st Place 2020 Top 10 Crypto Gainers and Crypto of the Year 2020 award according to BitMart.

Blockchain Developer

SparkPoint | Legaspi, Bicol Region, Philippines | Remote

Dec 2020 – Jun 2021 (7 months)

Developed smart contracts using multiple top Ethereum Virtual Machines (EVMs) and deployed them for Decentralized Finance applications of the SparkSwap project. Collaborated with front-end developers to integrate React.js and blockchain technology, driving the native cryptocurrency SparkPoint SRK to become 1st Place 2020 Top 10 Crypto Gainers and Crypto of the Year 2020 award according to BitMart.

Senior Blockchain Developer

MetaGaming Guild | Seasonal | Remote

Jan 2022 – Feb 2025 (3 years 2 months)

Created and developed a native token and deployed it to the Ethereum and Binance Smart Chain networks. Assisted in creating integrations for their decentralized application. Extended responsibilities to the MetaSaga Warriors game project, tasked with creating NFTs and other blockchain solutions used for the game.

Application Administrator

Camalig Bank, Inc. | Contract | Legazpi City

Dec 2019 – Dec 2020 (1 year 1 month)

Provided technical support throughout the company for Camalig Bank's CBI Mobile Banking Project. Tested the mobile banking application in collaboration with the application developer company. Expanded skillset by working with Amazon Web Services (AWS) and Robotic Process Automation (RPA), which were essential to complete daily tasks.

Blockchain Developer

Ownly | Full-time | Legazpi City, Albay

Jun 2019 – Dec 2019 (7 months)

Created smart contracts using Solidity, developed web apps using TypeScript, and designed decentralized games using Unity. Primary responsibility was providing smart contracts and blockchain integration to a card game called CryptoSolitaire. Participated in Game Jam 2019 by Decentraland as part of a team, creating game logic in Unity and blockchain integration, achieving 13th place worldwide.

Full-stack Web Developer

RAFAL V | Internship | Camalig, Albay

Nov 2018 – Mar 2019 (5 months)

As part of university thesis requirement, developed a Chemical Analysis Result Management system to automate repetitive and manual processes in RAFAL V's operations. Primary responsibility was hands-on coding of the Web App using PHP programming language and database using MySQL. Developed a server-client desktop app using Microsoft .NET, gaining valuable insights into software development and honing programming skills.

Game Developer (Internship)

LMN Technologies and Lamina Studios | Legazpi City, Albay

Jul 2018 – Oct 2018 (4 months)

As part of university internship requirement, part of a team that developed a 2D side-scrolling platformer game called "Stigmata". Primary responsibility was coding the game logic into Unity using C#.

Education

Bachelor of Science in Information Technology

Bicol University | 2015 – 2019

Technical Skills

- **DevOps & Infrastructure:** Docker, Kubernetes, AWS, DigitalOcean, Home Lab/Self-hosting, Proxmox, Terraform
 - **Blockchain:** Smart Contract Development, DApps, Web3, NFTs, Decentralized Games
 - **Programming:** Go, JavaScript/TypeScript, Solidity, Python
 - **Full Stack:** Web Application Development (Front-end to Back-end)
 - **AI & Automation:** AI Integration, Workflow Automation
 - **Version Control:** Git, Git Flow
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Certifications

- **Data Science Foundations - Level 1** — IBM (Jul 2019)
 - **Big Data Foundations - Level 1** — IBM (Jul 2019)
 - **IBM Blockchain Foundation Developer** — IBM (Jun 2019)
 - **IBM Blockchain Essentials** — IBM (Jun 2019)
 - **Blockchain: Beyond the Basics** — LinkedIn (May 2019)
 - **Blockchain Basics** — LinkedIn (May 2019)
 - **Civil Service Professional** — Civil Service Commission
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Speaking & Mentoring

- **Speaker** — Blockchain Technology at "Blockchain and Augmented Reality: An Application through Emerging Technology" | Bicol University (Feb 2020)
- **Facilitator** — Git and Git Flow basics workshop | BICOLIT.ORG INC. (Dec 2019)

- **Mentor** — Startup Weekend Bicol 2019 (Blockchain Technology) | Startup Weekend (Nov 2019)
 - **Speaker** — FABFEST3: 3rd Philippine Fablab Conference and Exhibit | BICOLIT.ORG INC. (Nov 2019)
 - **Speaker** — "What are Non-Fungible Tokens?" at Bicol IT Blockchain Meetup 0x2 | BICOLIT.ORG INC. (Aug 2019)
 - **Mentor** — Game development basics for Divine Word College of Legazpi students | Lamina Studios (Sep 2018)
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Honors & Awards

- **Finalist (Top 9)** — Flutter Philippines Hackathon (Nov 2019)
 - Online hackathon with BicolIT; Top 9 out of 30+ entries and 85 participants
 - **13th Place** — Decentraland Game Jam 2019 (Oct 2019)
 - 13th out of 100+ global entries; developed 3D solitaire game in under 2 weeks
 - Won 25,000 MANA + LAND
 - **Honorific-Academic Awardee** — Bicol University (Mar 2019)
 - **Presenter at BUCS Student Research and Development Forum 2019** — Bicol University (Mar 2019)
 - Nominated and presented project for best thesis
 - **Champion** — SciTech Computer Programming Competition, Bicol University (Jul 2017)
 - **2nd Place** — Bicol University Computer Programming Competition (Feb 2017)
 - **2nd Runner Up** — Computer Programming Competition, Bicol University (Jul 2016)
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Projects & Interests

- **Home Lab:** Running own servers at home with Proxmox, Terraform, and various self-hosted services
- **Blog:** Regular writing about tech experiments including Ollama + GPT models, Go programming, and infrastructure automation
- **Quizzical Coders AI:** Launched V1 of AI-powered coding quiz platform
- **Smart Contract Deployment Tools:** Building one-click smart contract deployment solutions