

GHOZA NADA IQBAL

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I am a smart contract and backend engineer, five years in. I take onchain systems from an empty repo to mainnet: contracts, indexers, and the backends that keep them running. Currently Backend Engineer at IDRX, an IDR-pegged stablecoin live across 9 networks, and Protocol Developer at Celo. I have shipped from Indonesia, South Korea and Japan.

Work Experiences

cLabs Inc. (Celo) - Remote, USA

Aug 2026 - Present

Protocol Developer

Celo is an EVM compatible L2 blockchain focused on real-world utility, mobile first adoption via MiniPay, and stablecoin payments. The Ambassador program drives regional ecosystem growth through builder sourcing, community development, and BD initiatives.

- Tested Celo's x402 agentic-payment facilitator end to end, settling live USDC payments on both testnet and mainnet with gas sponsored by the facilitator, and published the results as a written audit.
- Reported four previously unraised infrastructure and security findings from that audit, plus six documentation defects, directly to the facilitator's maintainer.
- Diagnosed a production outage: traced failing settlements on-chain to the mainnet settlement signer running out of gas, escalated it to the infrastructure owners, and confirmed on-chain recovery once refilled, roughly 51,000 transactions processed after the fix.
- Took the x402 integration path from external testing to shipped tooling, opening the Celo Composer template issue and delivering the self-serve onboarding work as a merged pull request.
- Contributed 4 merged pull requests to `celo-org/celopedia-skills`, ranking as its 3rd contributor, including correcting a wrong mainnet contract address in the official builder guide.
- Shipped a CVE fix (CVE-2025-55182) to `celo-org/celo-composer`.

IDRX - Remote, Indonesia

Jun 2026 - Present

Backend Engineer

IDRX is a blockchain-based stablecoin designed to be pegged 1:1 to the Indonesian Rupiah (IDR) live across 9 networks.

- Built the standalone fraud-detection service in NestJS and Bun: 14 rules producing a 0–100 risk score behind a synchronous evaluation endpoint, with 362 unit tests and 20 backtests green in CI and images auto-published to the container registry.
- Backtested the service against production data before rollout and quantified its false-positive rate, so the threshold could be tuned ahead of enforcement rather than after it.
- Designed the service to run in shadow mode first, scoring live traffic without blocking it, so its behaviour could be measured against real volume before it gained authority over mints.
- Shipped three smart-contract pull requests hardening mint authority: a ported and hardened mint limiter with unit, fuzz and invariant suites plus a stateful fuzzing harness; an anti-bypass batch-mint path with fuzz equivalence tests; and a UUPS-upgradeable v2 adding per-type dispatch, independent pools and idempotency.
- Found and fixed three real defects in my own earlier limiter while writing v2, including a role-based bypass and a denial-of-service on the daily pool.
- Audited privileged-role configuration across all 9 networks on-chain and produced the remediation list, which became the basis for correcting the technical claims in the company's regulatory filing.
- Authored the fraud-management standard operating procedure submitted to OJK, Indonesia's financial services authority: four stages from prevention through monitoring, with 14 parameters each carrying a documented basis.
- Verified every technical claim in the regulatory documentation against the deployed contracts, and corrected the ones that did not match.
- Built the roles and blacklist monitoring surface, including the wallet and time-frame selectors used to review privileged-role activity.

cLabs Inc. (Celo) - Remote, USA

Apr 2026 - Jul 2026

Region Ambassador

Celo is an EVM compatible L2 blockchain focused on real-world utility, mobile first adoption via MiniPay, and stablecoin payments. The Ambassador program drives regional ecosystem growth through builder sourcing, community development, and BD initiatives.

- Source and onboard 10+ Proof of Ship (PoS) projects monthly across targeted verticals (games, utility, X2Earn, MiniPay-native AI agents), with a cumulative H1 target of 25 projects
- Identify and pipeline grant-eligible and MiniPay-native builders, delivering 2 qualified submissions per month
- Lead and coordinate a local ground team of 4 across DevRel, event operations, and content/community functions to execute developer programs and ecosystem activations
- Manage Celo Indonesia's regional social presence (@CeloIndonesia on Twitter and Instagram), aligning content strategy with global Comms team
- Represent Celo at speaker engagements and industry events to strengthen brand presence within Indonesia's Web3 ecosystem

Senja Labs - Remote, South Korea

Jan 2025 - Present

Founding Engineer

A permissionless cross-chain lending and borrowing protocol built to enhance liquidity across blockchain ecosystems. Currently in its incubation phase by Kaia Foundation (South Korea), the project focuses on delivering secure, decentralized financial services through audited smart contract architectures.

- Led the protocol's technical architecture from initial concept to a production-ready Permissionless Cross-chain Lending Protocol.
- Developed and iterated on hundreds of smart contracts through the hackathon phase.
- Contributed to the team's success in securing the 2nd Runner-Up prize at the Kaia Wave Stablecoin Summer Hackathon.
- Awarded 2nd Placed DeFi Tracks on Educhain Hackathon Semester 3
- Awarded Finalist on Espresso Global Hackathon

Nusa Finance - Remote, Indonesia

Oct 2025 - Apr 2026

Smart Contract Engineer

Decentralized Finance (DeFi) platform providing a wide range of services, including lending markets, swap interfaces, and liquidity provision, focused on enhancing financial accessibility through blockchain technology.

- Develop and implement secure and efficient smart contracts on the Polygon network for a financial platform regulated by OJK (Indonesia's Financial Services Authority).
- Architect and deploy a Ponder-based indexer for onchain monitoring, successfully migrating from a legacy PHP solution.
- Establish LayerZero infrastructure to enable cross-chain functionalities on the Base network.
- Constructed and managed multisig contracts to enhance asset security and operational integrity
- Led the migration of the smart contract development stack from Hardhat to Foundry, improving testing efficiency and the overall development workflow

IDRX - Remote, Indonesia

Aug 2025 - Nov 2025

Smart Contract Engineer

IDRX is a blockchain-based stablecoin designed to be pegged 1:1 to the Indonesian Rupiah (IDR) live across 9 networks.

- Implemented LayerZero crosschain infrastructure to improve decentralization and interoperability of the IDRX stablecoin
- Built a multi-chain deployment script to streamline token expansion across networks, reducing deployment steps to a single execution
- Configured on-chain security monitoring with Blockaid, enabling automated alerts for high risk wallet transactions via Telegram
- Developed minting and supply monitoring mechanisms to validate token reserves and maintain accurate onchain total supply transparency

Meiwa Industry Co., Ltd. - Aichi, Japan

May 2023 - May 2024

Software Engineer

Meiwa Industry Co. Ltd. is a manufacturing company located in Aichi, Japan, which has been a pioneer in the industry for several decades. Founded with a dedication to innovation, technological excellence, and commitment to quality, Meiwa Industry has established a reputation as a leader in the manufacturing sector.

- Migration from Laravel Livewire to Vue JS to sustain performance the platform
- Make component for websites requirement.
- Build File Registration to maintain the products and keeping update the steps of production
- Build Calendar Master to manage workday and holiday for internal
- Build Search Product to find the process of product in production's area
- Build KPI (Key Performance Indicator) based on employee or robot performance for each department to sustain productivity.
- Join the QC to improve team work with other divisions

Hibah MBKM - Universitas Sebelas Maret - Surakarta, Indonesia

Nov 2022 - May 2023

Software Engineer

- Based on DRAK UNS about UMKM in Solo/Surakarta that will be exported to France.
- Performing development and executing code using Laravel 10.
- Designing the database and user flow for the website requirements.
- Build an authentication for make sure the user to do sell/buy the catalog.
- Web-based marketplace.

Festivo Metaverse Taskforce - Jakarta, Indonesia

Jan 2022 - Jul 2022

Full Stack Developer

Festivo is a start-up as the first studio in Indonesia with expertise in virtual reality and 360° videos. Their core concept of "Humanizing Human". VR/AR should be immersive, easy, fun, and meaningful. They do not create technological boundaries between the users and vision.

- Successfully launching the first Metaverse Web Moslem Manasik in Indonesia.
- Set up the project using RESTful API into metaverse from scratch using payment gateway.
- Got an award as Best Mentee of Full Stack Developer from Festivo - Kampus Merdeka.

PT. Tiga Serangkai Pustaka Mandiri - Surakarta, Indonesia

Nov 2021 - Mar 2022

Full Stack Developer

PT Tiga Serangkai Pustaka Mandiri As a company engaged in the publishing, printing, distribution, and retail industries.

- Led the conceptualization and design phase of the educational website, which involved defining user flows, wireframing, and creating a user-friendly interface. Ensured that the website effectively catered to the needs of students and educators.
- Using MySQL, Laravel and built the RESTful API for infrastructure.

Balai Diklat Industri Denpasar, Ministry of Industry - Denpasar, Indonesia

Nov 2021

Junior Web Programmer (Training)

Balai Diklat Industri (BDI) is a program from the ministry of the industry which is a strategic step taken by the ministry of industry in the development of creative industries.

- Receive scholarship to get training from basic to using the framework, and certification through LSP TIK Indonesia as a assessor.
- Passed LSP TIK certified junior web programmer.

PT Semangat Inovasi Anak Bangsa - Surakarta, Indonesia

Apr 2021 - Nov 2021

UI Designer

PT Semangat Inovasi Anak Bangsa is a lecturer initiative that encourages students to use their creativity to develop their skills and create businesses/ideas.

- Employed prototyping and wireframing tools to bring design concepts to life, enabling stakeholders to visualize and interact with the user interface before development. This iterative process allowed for feedback-driven refinements.
- Collaborated closely with cross-functional teams, including developers, product managers, and marketers, to ensure seamless integration of design concepts into final products. Maintained open lines of communication to align design objectives with overall project goals.

Helpdesk SM UNS - Surakarta, Indonesia

Jun 2021 - Aug 2021

Helpdesk

Helpdesk is a part of SPMB (Seleksi Penerimaan Mahasiswa Baru) UNS which is a multi-dimensional resource for UNS intended to provide information and support to customers or users regarding new student admissions.

- Provided guidance and assistance to candidate students in the installation and configuration of the exam application on their devices. Ensured that the software was correctly installed and functional before the examination day.
- Collaborated with university staff, faculty, and the IT department to coordinate and streamline the examination process. Effective communication was key to ensuring that candidates received timely and accurate support.

Sebelas Maret University - Surakarta, Indonesia

Aug 2020 - Dec 2020

Assistant Lecturer of Programming Concept

- Organized hands-on coding workshops and guided students through practical exercises, fostering a deep understanding of programming languages, algorithms, and problem-solving techniques.
- Fairly evaluated assignments, exams, and projects, delivering constructive feedback to help students improve their coding skills and grasp of theoretical concepts.

Education Level

Sebelas Maret University - Surakarta, Indonesia

Aug 2019 - Mar 2025

Bachelor of Informatics, 3.70/4.00

SMAN 7 Kediri - Kediri, Indonesia

Jul 2016 - Jun 2019

High School Diploma in Science

- Lead school band - got award multiple times as individual player and band

Organisational Experience

Podcast Campus Digital Creative - Surakarta, Indonesia

Jun 2021 - Feb 2022

Multimedia Division

- Creating Podcast Campus at UNS weekly content for social medias
- Building and Conceiving Podcast Campus at UNS through Spotify
- High Engagement Podcast 500 listener per episode

PPKMB UNS Mahasura Muda 2020 - Surakarta, Indonesia

Apr 2020 - Sep 2020

Event Division

- Handling full production streaming of all of event during orientation.
- One of segment which called papermob formation got awarded from MURI as the most participant to join virtually.

Pingfest 2020 - Surakarta, Indonesia

Mar 2020 - Aug 2020

Event Division

- Conceptualized PINGFEST 2020 Event
- Managing thoroughly streaming production and complying with all client and sponsor requirements.
- Successfully Launching the event virtually during the pandemics

Himaster - Surakarta, Indonesia

Feb 2020 - Dec 2020

Staff of Interest and Talent Division

- Developed department work plans and activities.
- Organized music and sport activities to growth student potential
- Directed student interests and talents in musics and sports

Informatics Week - Surakarta, Indonesia

Nov 2020 - Dec 2020

Event Coordinator

- Coordinated staff.
- Created a concept and schedule of events by coordinating with chairman and secretary.
- Planned the event mechanism or technical activities in detail and depth.
- Prepared event officers (MC, speakers, etc.).

Skills, Achievements & Other Experience

- **Achievements** 🏆 (2026): Memepull 2nd Placed in Chainlink Convergence Hackathon (Prediction Market track)
- **Achievements** 🏆 (2025): PuLend - Story Protocol Surreal World Assets Buildathon Best Dune Analytics
- **Achievements** 🏆 (2025): Senja (Permissionless Crosschain Lending Borrowing) 2nd Runner Up in Kaia Wave Stablecoin Summer Hackathon
- **Achievements** 🏆 (2025): Caer Finance Finalist in Pharos Build Base Camp
- **Achievements** 🏆 (2025): Caer Finance as a Finalist Top 12 Espresso Global Hackathon
- **Achievements** 🏆 (2025): Caer Finance 2nd placed in Educhain Hackathon Semester 3
- **Achievements** 🏆 (2025): Tracrafter as a Finalist in Manta Hacker House
- **Achievements** 🏆 (2022): Best Mentee Full Stack Web Developer of Festivo Metaverse Taskforce (PT Semesta Realitas Indonesia) - Kampus Merdeka
- **Certified** 🏆 (2021): Junior Web Programmer Certified by LSP TIK Indonesia
- **Certified** 🏆 (2020): MTA: Database Fundamentals Certified by Microsoft
- **Hard Skills:** Solidity, Foundry, Rainbowkit, Wagmi, Viem, Database (MySQL, Microsoft SQL Server, MongoDB), Tailwind CSS, Laravel, Node Js, Vue Js, Inertia Js, Next Js, React Js, Express Js, RESTful API, UI/UX Design (Figma), Machine Learning
- **Interest:** Web Programming, Blockchain Development, AVS (Autonomous Validated Services)