HARUN AL RASYID

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SUMMARY

Software Developer specializing in backend services and blockchain smart contracts. Experienced in building scalable backend systems and secure, efficient smart contracts. Passionate about leveraging new technologies to solve complex problems.

WORK EXPERIENCE

Blockchain & Backend Engineer, Creaton Studio   Dec 2023 - Present

- Engineered and launched an NFT Marketplace, generating **$60,000 in revenue** within the first week post-launch while ensuring 100% platform stability.
- Developed a real-time GameFi project on the TON Blockchain, utilizing **Redis** for caching and **BullMQ** for message queuing to ensure low-latency, smooth gameplay. Implemented a **scalable smart contract** architecture **using the factory pattern** to support a high volume of concurrent users.
- Engineered a token presale platform complete with a referral system, designed to drive community growth and initial user acquisition.
- Developed a backend system to screen and verify users' ERC721 token holdings on-chain. This **automated the reward eligibility process**, providing a significantly faster and more efficient verification method for the client.
- Built a museum ticketing application that **simplified the ticket lifecycle management** and improved data reliability through a structured database design.
- Developed ERC20 for Karaton Kasunanan Surakarta Hadiningrat utility crypto token.
- Developed NFT with dynamic metadata using oracle Chainlink VRF. **Overcome NFT limitation** and fulfill the business requirement.
- Implemented an NFT minting DApp with an allowlist feature secured by **merkle proof**, ensuring an efficient and secure minting process for whitelisted users.
- Developed a automation script for bulk-listing thousands of NFTs, **reducing the processing time from one week to just 30 minutes** and eliminating manual overhead.

Blockhain & Backend Developer, 80&Company   Jun 2025 - Jul 2025

- Served as a technical advisor for a Web3 project on the TON network, identifying and preventing critical bugs during the early development stages.
- Find and fix bug in reward distribution system.

EDUCATION

Bachelor of Informatics   Sep 2021 - Agt 2025
Amikom Purwokerto University (GPA: 3.69)

- Major in Computer Science.
- Thesis on "Development of a digital document verification system using cross-chain protocol to overcome blockchain interoperability limitations".

Computer and Network Engineering   Jun 2018 - Jun 2021
SMK Negeri 2 Bawang

SKILLS & CERTIFICATIONS

- **Technical Skills:** Javascript, Typescript, Expressjs, Nestjs, Prisma, Go, AWS, Solidity, Hardhat, Foundry, Tact, Redis, PostgreSQL, MySQL, MongoDB, BullMQ, Docker, Websocket, Git, Linux.
- **Languages:** Bahasa Indonesia, English.
- **Certifications:** Solidity Blockchain Developer, Web Back-End Developer, Go for Professional Developers.
- **Awards/Activities:** Best Blockchain Project - MSIB Batch 5, Best Web App Project - MSIB Batch 6.