Jason Yapri

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SUMMARY

Multidisciplinary Fullstack Blockchain Engineer equipped with a decade of experience designing and developing applications. Worked remotely at a global web3 startup - developing backend of Web3 wallet app along with setting up, maintaining and scaling blockchain nodes (Ethereum, Polygon, Arbitrum, Avalanche, Binance Smart Chain, Saakuru) on AWS and Microsoft Azure with Docker. Throughout my career, I have worked with various programming languages and technologies such as Solidity, Foundry, Hardhat, React, Next, Vue, Express, MongoDB, Postgre and MySQL, among others. I hold a BEng in Information Technology from Swiss German University, MSc in Entrepreneurship from University of Nottingham and various IT certifications. I am passionate about advancing the state of blockchain technology and making a meaningful impact in the industry. That's why I am currently open to remote job opportunities in the Web3 space as a Blockchain Engineer or Smart Contract Engineer.

EXPERIENCE

Freelance Software Engineer
Self Employed **October 2023 - February 2024 | Worldwide · Remote**

Empowering Businesses through Technology

- Developed NFT-Powered MetaFarming Platform for Greens.id, a startup funded by East Ventures using Next.j, Feathers.js and MongoDB.
- Provided IT Consulting service for Higo.id, WiFi advertising platform company, conducting analysis and suggesting enhancements for its Python Flask, Laravel and Vue.js applications with MongoDB database.
- Designed and Developed company profile websites for several clients using Figma and WordPress.

Web3 and Software Engineer
Saakuru Labs *(formerly known as AAG)* **March 2023 - August 2023 | Singapore · Remote**

Web3 infrastructure company with its main products being Saakuru App *(Web3 Wallet)* and Saakuru Blockchain

- Developed Saakuru App Web3 Wallet Backend system and its related services using Java and MongoDB.
- Implemented Risk Score API for scam and fraud detection using node.js and Puppeteer.
- Setup and managed Ethereum, Avalanche, Polygon, Arbitrum, Optimism, and Saakuru Blockchain Nodes on AWS and Microsoft Azure.
- Setup, maintained and upgraded Saakuru Blockscout Blockchain Explorer using Elixir, Erlang and PostgreSQL.

Metaverse and Software Engineer
Saakuru Labs *(formerly known as AAG)* **June 2022 - February 2023 | Singapore · Remote**

- Developed an open-world environment integrating Adobe Mixamo character models and animations using Unity.
- Enhanced third person character controller with basic and advanced locomotion animations.
- Explored server setup using PlayFab with headless Unity instance and Docker.
- Tested multiplayer functionalities using Mirror Networking and Photon Fusion.
- Experimented with various voice chat SDKs: Agora Voice, Vivox, Photon Voice.
- Experimented with Meta Human and Quixel Bridge Megascans.

Frontend React JS Class Instructor
GOTO Impact Foundation **March 2022 - April 2022 | Indonesia · Remote**

An impact catalyst organization that combines philanthropy with innovation spirit *(Part of GOTO Group)*

- Taught Frontend development with React.js in Generasi GIGIH Program by GOTO Impact Foundation to provide young Indonesian technology talents to keep up with the fast-growing technology industry, democratizing tech skills with over 1,000 selected participants all across Indonesia.

Software Developer
Inergi **January 2021 - May 2022 | Jakarta, Indonesia · Hybrid**

IT Solution Company that focuses in Image Processing, Machine Learning and Artificial Intelligence

- Delivered various projects for top-tier corporations - Fiduciary Management System, eCommerce Aggregator System, Video Analytics App, Knowledge Management System, Integrated Software Solutions (Display, Customer Feedback, Head Office, Kiosk).
- Utilized Vue.js for frontend and Spring Boot (Kotlin) for backend.

Web System Developer
Userlutions GmbH **March 2016 - July 2016 | Berlin, Germany · Onsite**

One-stop Agency for User Experience, User Research, Usability Testing and Interaction Design

- Developed the Rapidusertests.com system using SCRUM methodology.
- Conducted code testing and bug fixing to ensure optimal software performance.
- Implemented new features utilizing PHP and Laravel Framework - user credits for payments, email blasting for announcement, drag and drop file uploader, and others.

PROJECTS

Web3 Game - 2048
March 2024 - April 2024
- Production Application URL: https://2048.jasonyapri.com/
- GitHub Repository: https://github.com/jasonyapri/2048-web3-game
- Smart Contract Code: https://sepolia-optimism.etherscan.io/address/0xc9F361e91daa010cC79C6B57E9a6EA0A26C3724e#code
- Figma Design: https://www.figma.com/file/QdqrxuD9eROvc63Ku24bcu/Web3-Game%3A-2048
- Web3 Implementation of the 2048 Game. It runs on the EVM L2 blockchain: Optimism Sepolia Testnet.
- The board is shared among all players. The one who reaches tile 32, 64, 128, 256, 512, 1024, and 2048 first will be rewarded with ETH from the Prize Pool. Features include: Moves history, Claim Prize, Donate to Prize Pool, Set Player Name, See Prize Projection, and others.
- It was developed using Solidity, Foundry (forge) Framework, Next.js, Wagmi, Ethers.js, Web3Modal.
- My Workflow: Smart Contract Development ➜ Testing ➜ Gas Optimization ➜ Security Check ➜ Deployment ➜ Frontend Development

GREENS NFT-Powered MetaFarming Platform
October 2023 - February 2024
- https://metafarming.id (owned by GREENS - https://greens.id/)
- Implemented Payment Gateway for automated purchase confirmation (with Virtual Account, e-Wallet and QRIS support).
- Added Shopping Cart functionality utilizing Database for seamless user transaction experiences.
- Conducted Quality Assurance (QA) testing and fixed various bugs to ensure the web application's reliability and optimal performance.
- Performed dual roles as both Backend Engineer and Frontend Engineer, adapting to project needs.
- Lead weekly meeting with the team (Backend Engineer, Frontend Engineer, Infrastructure Engineer, IoT Engineer and UI/UX Designer).

2048 Game using Haskell
June 2023 - July 2023
- GitHub Repository: https://github.com/jasonyapri/2048-haskell
- Developed this simple implementation of the 2048 Game using Haskell for Emurgo Certified Developer Associate Project.
- The game is played on a 4x4 grid, where the player combines tiles with the same numbers to achieve the tile with the number 2048.

AAG x SGU (Swiss German University) Web3 App Development Workshop
June 2023 - July 2023
- Delivered a 5-day Web3 App Development Workshop to IT students using React.js, Solidity, and Remix over a span of 2 weeks.
- Organized a Web3 Connect & Collab Networking event attended by over 70 individuals from various Web3 companies, startup founders, project owners, communities, L1 blockchain, crypto exchanges, investors, and even social media influencers in the Web3 space.
- Evaluated students by grading their written quizzes, networking tasks, group project presentations, dApp functionality, and dApp UI/UX. Student projects included a crowdfunding platform, Web3 game, lottery dApp, election dApp, and insurance dApp.

Telegram Chat Bot for Futurecoin.id Crypto Community Telegram Group
February 2022 - February 2022
- Developed and deployed a Telegram Chat Bot for the Futurecoin.id Crypto Community Group using Python, hosted on DigitalOcean Droplet.
- Programmed the bot to automatically welcome new group members with text, image, and button messages.
- Integrated an on-demand cryptocurrency price check feature sourcing from CoinMarketCap.com, ensuring real-time data availability 24/7.

Web-Based Library Management Application with Integrated Barcode Technology
Universal School · August 2014 - November 2014
- Developed a robust library management system for admin account management and book data handling using PHP, Codeigniter, and MySQL.
- Facilitated seamless book lending and return processes with customizable configurations.
- Integrated a barcode scanner system to enhance the tracking and management of books.

EDUCATION

Bootcamp · Solidity Mastery Bootcamp
EatTheBlocks · Remote · 2024
- GitHub Repository: https://github.com/jasonyapri/eat-the-blocks-solidity-mastery-bootcamp
- Notion Notes: https://jasonyapri.notion.site/EatTheBlocks-Solidity-Bootcamp-0c6423fbbf604a82bd5de04a27dde4db
- Learnt Advanced Solidity Development Topics with people from around the globe (Switzerland, UK, US, UAE, France, India, Canada, Poland, Germany, and others)
- Things learnt: Solidity Advanced Patterns | Smart Contract Security (incl. How to Hack Smart Contracts) | Yul & Gas Optimization | Testing and Deployment with Foundry (forge) | Smart Contract Interactions | Smart Contract Professional Development Process | Real-life Smart Contracts (DeFi, NFTs, DAO, and others)

MOOC · Solidity
Alchemy University · Remote · 2024
- GitHub Repository: https://github.com/jasonyapri/learn-solidity
- Notion Notes: https://jasonyapri.notion.site/Alchemy-University-Learn-Solidity-282c1c9e5fd74580814d19470c4a80cf
- Things learnt: Solidity Data Types | Function Visibility | Function Mutability | Fallback Function | Message Call | Revert, Require, Assert | Low Level Syntax | Data Locations | Events | Low-Level Assembly Operations | Voting Smart Contract | Inheritance

MOOC · NFTs and the Metaverse
University of Nicosia · Nicosia, Cyprus · 2023

Master of Science - MS · Entrepreneurship and Innovation Management
The University of Nottingham Ningbo China · Ningbo, China · 2018
- Received High Achievers Scholarship (2017)

Bachelor of Engineering - BE · Information Technology
Swiss German University & Fachhochschule Südwestfalen · Tangerang, Indonesia & Soest, Germany · 2017
- 3.85 / 4.00 (Magna Cum Laude)
- Received Best Grade Scholarship (2014) and Achievement Scholarship (2013)

CERTIFICATIONS & ACHIEVEMENTS

Certified Cardano Developer Associate
Emurgo · 2023

React Certificate
HackerRank · 2022

Crash Course on Python
Google · 2021

Databases and SQL for Data Science
IBM · 2021

IELTS (International English Language Testing System) Academic
British Council, IDP · 2017

ACM (Association for Computing Machinery) ICPC (International Collegiate Programming Contests) IdeaFuse Finalist
ICPC · 2015

INVOLVEMENT

Member
OffChain · June 2023 - Present
OffChain is a global community of web3 professionals/enthusiasts both technical and non-technical from blockchain developers to crypto VCs to miners to quant traders to somebody who owns cryptocurrency.

SKILLS

Smart Contract Development: Solidity, Foundry (forge), Hardhat, Truffle, Ganache, Slither, Wagmi, Ethers.js, WalletConnect, Web3Modal

Programming Languages: JavaScript, Python, PHP, C#, C++, Java, Kotlin, Dart, Haskell

Database Management, Version Control and Containerization: MongoDB, MySQL, PostgreSQL, Git, Docker

Library, Framework and CMS: Vue.js, React.js, Next.js, Express.js, Feathers.js, Flutter, Laravel, Wordpress

Cloud Services & Security: AWS, Microsoft Azure, Digital Ocean, Netlify, Vercel, Hostinger, Cloudflare, Azure WAF *(Web Application Firewall)*

IDE: VS Code, Remix, IntelliJ IDEA, Eclipse, Android Studio, XCode, Visual Studio

CSS Framework & Design: Tailwind CSS, Bootstrap, NextUI, Photoshop, Canva, Figma, Balsamiq

LANGUAGES

English
Very Fluent

German
Intermediate B1.2

Chinese
Intermediate

Korean
Basic

Indonesian
Mother Language