



SOFTWARE ENGINEER

WARUN SINGHAL

GET IN TOUCH

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WORK EXPERIENCE

FINSTABLE CO.,LTD.

(01/2022 – PRESENT) BLOCKCHAIN SOFTWARE ENGINEER

- Build a full-stack web application with Next.js, NestJS, and TypeScript to interact with an EVM Smart Contract.
- Design and develop software, including selecting the tech stack, defining the software architecture, and designing the database.
- Design and develop a smart contract using Solidity & Hardhat,
- Experience in interacting with Automated Market Makers (AMMs), Chainlink Oracle, lending platforms, and various DeFi protocols.
- Connect frontend / webapp to the smart contract using Typechain, Viem, Ethers, Wagmi, Web3Auth and RainbowKit.
- Develop off-chain services that interact with the smart contract, such as a oracle price feed, multi-call, liquidation bot.
- Deploy and utilize subgraph for smart contract event indexing.
- Set up continuous deployment using Docker & GitHub Actions.
- Setup EC2, S3, RDS, DNS for WebApp Using AWS & Cloudflare.
- Set up monitoring tools like Winston, Sentry, and Google Analytics.
- Implement Unit and Integration testing with Jest, Chai, Mocha.

(08/2021 – 12/2021) FULL-STACK DEVELOPER

- Develop frontend using React, Next.js, Tailwind.
- Develop backend using NestJS, TypeOrm, PrismaOrm.
- Work with SQL databases such as MySQL, Postgres.
- Work with No-SQL databases such as MongoDB, Redis.
- Develop and consumes GraphQL API with Apollo.
- Implement various services such as Authentication, Logger, Queue, Caching and WebSocket with NestJS and Next.js.

FREELANCE

(2019 – PRESENT) SOFTWARE ENGINEER

- Experience working on multiple portfolio and backoffice web application projects for businesses.

AWARDS & CERTIFICATES

- Winner of ApeCoin Best Contribution in HackFS ETH GLocal (2023)
- Finalist of Bangkok Blockathon (2023)
- Winner of The Graph in Scaling Etheruem ETH GLocal (2023)
- Winner of FVM Jetpack in FVM Space Warp ETH GLocal (2023)
- Consolation Prize at the final round of National Software Contest (NSC2022)
- Thailand Inventor Day Award (2021–2022)
- Finalist of Thailand ICT Award TICTA(2021)
- Consolation Prize at the final round of National Software Contest (NSC2021)
- Enter the final round of National Software Contest (NSC2015)
- Gold Medal – Winner of EP South Website Contest (2014)

PERSONAL PROFILE

Greetings! I'm Sheep, a Full-stack Software Engineer (Frontend Heavy) with a passion for web3 technologies.

Gender: Male
Nationality: Thai
DOB: 28/09/1999
Lives in: Phuket, Thailand

AREA OF EXPERTISE

- Expert in web development with React, Next.js, and TailwindCSS.
- Backend proficiency with NestJS, SQL, and NoSQL databases.
- Skilled in Redis, Socket.io, GraphQL for optimal software architecture.
- Skilled in Docker, Git Flow, GitHub Actions for effective workflows.
- Blockchain expertise in Solidity Smart Contract Development.

OTHER SKILLS

- Good English Communication
- Can analyze, design and implement database structure.
- Strong problem solving skills with an ability to self-learn and research for effective solutions.
- Ability to work independently and with others.
- The ability to analyze complex technical information.

EDUCATION HISTORY

- Price of Songkla University Bachelor of Digital Engineering (B.ENG) Graduated Year of 2023
- Satree Phuket School High School Diploma (Math&Sci) Graduated Class of 2018

TOOLS & FRAMEWORKS

- Frontend: React, Next.js, Tailwind, Zustand, React Query, i18n, Zod, StoryBook, Styled Components, shadcn, MUI, AntD, AntV Chart
- Backend: NestJS, GraphQL, Bull, Socket.io, TypeORM, PrismaORM, MySQL, Postgres, MongoDB, Redis
- Web3: Solidity, Hardhat, Ethers, Viem, Wagmi, RainbowKit, Laika MultiCall, Subgraph, Openzeppelin
- DevOps: Git, Github Action, Docker, AWS, Digital Ocean, Github, Gitlab
- Other: Notion, Jira, Figma, Vim Postman, Flutter, React Native

HONORABLE MENTION ACTIVITIES

- Joined SCB 10X BlockCamp 2022 6-day stayover Blockchain Bootcamp for early graduated student aiming to equip technical and business talents with Product-Building Skills, Smart Contract Development, Tokenomics Design, and Community Building with hands-on support from SCB 10X
- Participated in the BANGKOK BLOCKATHON 2023, a 7-day Blockchain Hackathon hosted at DISTRICTX, Bangkok. Our project, BestEx The Super Aggregator, made it to the top 15 finalists.

MY LIFE PHILOSOPHY

Luck is what happens when preparation meets opportunity.
– Lucius Annaeus Seneca

MY HOBBIES

- Playing Basketball
- Joining Hackathon
- Love drinking coffee
- Trading cryptocurrency
- Gaming with friends
- Learning new things
- Practicing guitar

REFERENCES

Mr. Tanakorn Karode – Former CTO & Head of Engineer at Finstable Co., Ltd.
• Tel: (66) 83-5204-118
• Email: sainy.tk@gmail.com

PROJECTS

YES Token (2021–2023)– <https://www.yestoken.digital>

A cryptocurrency lending platform operating on Bitkub Chain with the aim to lead Thai community into new financial opportunity. YES Token is the first ever lending platform in Bitkub Chain with Bitkub Next Wallet Integration. The team develops this project using Next.js and Solidity. To enhance user adoption, the platform implements several centralized layers, including an airdrop system and credit scoring. Those systems are developed using NestJS framework.

Transcript (2022)– <https://www.transcript.finance>

A cryptocurrency barter system operating on Binacne Smart Chain. This platform allows merchants to accept cryptocurrency payment with various tokens and convert them into stable coins in which merchants do not take risk of price volatility.

TradingPool (2022)– <https://www.tradingpool.online>

A cryptocurrency OTC trading system This platform operates on the concept of not holding any users' tokens. By connecting their web3 wallets, users can easily match buying or selling orders between fiat and cryptocurrency. The system utilizes smart contracts, which act as secure escrow services for completing the trades. To date, this project has been paused due to Thai regulation constraint.

Amoled Calculator (2019) – <https://shorturl.at/npJNZ>

An ad-free, minimalistic calculator with a black-themed interface. It performs basic calculations like addition, subtraction, multiplication, and division. The aim of its black-themed UI concept is to optimize battery consumption, especially for AMOLED screens. It holds significance for me as the first application I developed in my journey of learning Flutter. Somehow, it has gotten over 10K downloads.

COMPETITIONS & HACKATHON PROJECTS

Videfi – HACK FS BY ETHGlobal (JUN 2023)

Reference: <https://ethglobal.com/showcase/videfi-nvth7>
A web3 content platform using decentralized file storage (Filecoin, IPFS, Lighthouse, NFT.storage) to empower content ownership.

- Winner of ApeCoin — Best Contribution

MuddyHeart – AUTOMOUS WORLD BY ETHGlobal (MAY 2023)

Reference: <https://ethglobal.com/showcase/muddy-heart-cdm0k>
Muddy Heart is an action RPG game that operates entirely on the blockchain, utilizing the powerful MUD engine.

ScalingTree – SCALING ETHEREUM BY ETHGlobal (MARCH 2023)

Reference: <https://ethglobal.com/showcase/scalingtree-zida1>
One repository for the world tree data. Social media for trees

- Winner of The Graph – Best new subgraph(s)
- Winner of Polybase – Pool Prize

Cretodus – FVM SPACE WARP BY ETHGlobal (FEB 2023)

Reference: <https://ethglobal.com/showcase/cretodus-fga5u>
A decentralized data marketplace where any users can upload any data they want to keep it on Filecoin network for data preserving.

- Winner of Filecoin & IPFS – FVM Jetpacks

Memmyfy – NATIONAL SOFTWARE CONTEST (2021–2022)

Reference: <https://shorturl.at/xCFXZ>, <https://shorturl.at/tzLNU>
AI note taking app utilizing 3rd party AI service for auto-tagging, semantic search, image-to-text, note summarization, and more.

- Consolation Prize at the final round of NSC (2021)
- Finalist at Thailand ICT Award TICTA(2021)
- Thailand Inventor Day Award (2021–2022)