

Vongphachan Santhong

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What can I do for you:

- ✓ Creating an exchange Trading platforms with 3rd part liquidity API, Margin trading etc. like binance.com, bybit.com, or Bitmex.com
- ✓ NFT marketplace, Defi/Dapp Development, DeFi Consulting (swaps, liquidity pools, borrowing and lending, yield farming, impermanent loss, governance tokens)
- ✓ NFTs (ERC-721, ERC-1155, Flow, BSC, Polygon, Rarible, Opensea, Nifty, etc)
- ✓ ICO| STO| IEO- Developing from scratch + Marketing
- ✓ Smart Contract (ERC20 + ERC21) and Audit
- ✓ IOT solutions using blockchain such as in Farming
- ✓ Peer to peer platform
- ✓ P2E game
- ✓ Wallet development (HOT /COLD/ETHER/P2P/ ETH WALLET)
- ✓ Cryptocurrency Pricing Website
- ✓ Crypto Arbitrage
- ✓ Forking coin

Professional Summary:

- ✓ Smart Contract, DeFi, ... in Ethereum, Avax, Algorand, Wax, Polygon, Solana, BSC, Cardano
- ✓ dApps development ; Solidity/Rust + web3.js/ethers.js
- ✓ Solidity, Rust, Golang, C++, Java, Python
- ✓ 2D & 3D game development ; Unity, Unreal Engine (P2E)
- ✓ Integration with crypto wallets such as Metamask.
- ✓ SQL and NoSQL (MySQL, MSSQL, PostgreSQL, InfluxDB, MongoDB), Redis
- ✓ Sytems Administration (DevOps, Docker, Apache, Nginx, Heroku)

Technical Skills:

Operating System: RHE Linux, SUN Solaris, IBM AIX and Windows

Languages: C, C++, Core Java, Golang, JavaScript, TypeScript, Solidity, Rust

Web Technologies: HTML, CSS, Bootstrap, JQuery, Json, Node.js, React.js, Angular.js, Vue.js, Ruby, Rails

Scripting: Python and UNIX Shell Scripting

Databases: Oracle, Microsoft SQL Server, IBM DB2, SQLite

OOAD: UML, Design Patterns

Debugging Tools: gdb, dbx, pdb

Code analysis Tools: Source Navigator, Open Grok, cppCheck, Coverity

Tools: Make, DSS, ANT, Docker, Kubernetes

Bug Tracking tools: Clear Quest, Jira

Configuration Management tools: CVS, SVN, git/GitHub

Design Tools: Microsoft Visio, Eclipse Plugins

XML Parsing tool: Xerces

Libraries: STL, threads, C++11, sockets, smart pointers, numpy, matplotlib, Django

Qualifications:

MCPD: Microsoft Visual Studio 2010

MCPD: Designing and developing iOS & Android Phone Applications

Education:

- **2011 – 2015 National University of Laos (NUOL)**
3 A Levels – Computer Science (A), Software engineering (A), Maths (A)

Employment History:

FYB3R

Fullstack Developer

Jun 2022 – Sep 2022

- Some kinds of blockchain projects such as NFT marketplaces, swap, tipping/vesting platforms, etc.
- Smart contracts development.

Self Employed

React Frontend Developer, Blockchain Developer

Mar 2020 – May 2022

Magister Marketing and Consultancy

Blockchain Developer

Jan 2019 – Feb 2020

- Perfect Pixel UI/UX development with React.js for NFT websites.
- Crypto game development with Unity.
- Smart contracts development on many kinds of NFT projects.
- NFT marketplaces with mint function.
- DeFi/Dapps development based on several systems of blockchain.
- Experienced in using Go technologies on UNIX and Linux platforms.
- Good understanding of Design Patterns, Multithreading and GO containers. Well versed in using Channels and goroutines.
- Containerized applications using Docker: Created docker files, built docker images for microservices to run on Kubernetes platform.
- Created docker image for microservices files to orchestrate applications using Kubernetes.
- Proficiency in multiple databases like MongoDB, Cassandra, MySQL.
- Produced and Consumed Restful Web Services using Postman Rest Client, Swagger UI, to interact with different applications from third-party tools.
- Worked with Business users and stake holder for gathering business requirements and Convert the Business Requirements into User Stories using JIRA.

LuxCarta

Core Blockchain Developer

Oct 2017 – Dec 2018

- Core blockchain development with C++ and Java.

- Wallet and Token developmentP.
- Wrote microservices using Golang.
- Build Restful API by building Node JS Server in the back-end to handle requests sent from the front-end jQuery Ajax calls.
- Experience in developing User Interfaces using ASP.NET, AJAX, HTML, CSS, JavaScript, jQuery.
- Strong working knowledge of Database Programming using SQL and Stored Procedures.
- Developed a RESTful web API using Spring Boot. Spring Data is used to communicate with the Mongo DB.
- Developed Web Services SOAP/HTTP, SOAP/JMS, and SMTP using SOA technologies such as SOAP, WSDL.
- Developed of web modules and middleware components using AWS and spring integration.
- Developed server-side software modules and client-side user interface components deployed entirely in Compute Cloud of Amazon Web Services.
- Used Continuous delivery/ Continuous Integration tools Docker, Jenkins to deploy our application to AWS.
- Strong Experiences in creating and consuming XML Web Services and having knowledge of SOAP, soap header and soap exception.
- Developed and maintained stored procedures, User Defined Functions, Indexes, Views, Tables, and Relationships on SQL Server.
- Developed RESTFUL/WCF Web services, APIs, and other back end components.
- Involved in Unit Testing and Integration testing in development environment and ensuring application is according to specifications.

OptimiCDN Limited

NodeJS Developer

June 2016 – Aug 2017

- Worked on the application grocery.walmart.com as Node.js developer to build different REST APIs for modules such as user, products, checkout.
- Gained Knowledge on Electrode Platform which is a NodeJS/Web platform built on top of the ReactJS and HapiJS frameworks.
- Worked with NPM commands and using Package.json for managing dependencies and dev-dependencies of Node.js applications.
- Used Object Oriented JavaScript concepts like Classes and Inheritance on Server-side scripting.
- Experienced in Hapi.js framework which helps in writing reusable code and helps in validating and authenticating code easily.
- Involved in writing unit test cases using Lab.js and achieved more than 95% code coverage.
- Used third party APIs such as from CASPR for reserving slots, Payments for cart checkout.
- Did validation using joi module in Hapi.js which helps in validating any component.
- Used ESLint to report any patterns or global leakages in the code.
- For storing customer, Product Data used MySQL and Oracle Databases.
- Used Swagger for API documentation and check the API functionality and response without effecting the source code.
- We used GraphQL to query the data with parameters like customerID, orderID, to get exact data.
- Involved in using Splunk for analysing and tracking the issues.
- Involved in scrum Methodology for the work flow.
- Used GIT for accessing the repositories and maintaining the code.
- Researched and implemented code coverage and unit test plug-ins with **Jenkins**.
- Used JIRA Tool for keeping track of bugs, Issues, work flow and releases.

DexCO

Software / C++ Developer

Aug 2015 – May 2016

- Modified existing build systems and built RPM packages for the new release candidates using CMake.
- Developed an application that would allow transfer of log files from Linux computer to Linux server using C++ multithreading environment.
- Responsible for providing infrastructure for launching and deploying latest release candidates.
- Created C# console applications to manipulate data.
- Refactored existing code by introducing inheritance-based Embedded design.
- Improved the code efficiency by optimizing the code and caching frequently used data.
- Managed SQL Server databases using C# with entity frameworks.
- Developed Complex database objects like Stored Procedures, Functions, Packages and Triggers using SQL, My SQL.
- Writing stored procedures in SQL Server and integrated into the application to access the data from databases and store the data into database.
- Used Data Access Object (DAO) classes within MFC to access the Database
- Migrated from SVN for source control to git, local GitHub.
- Implemented logics to install/update/upgrade software packages in Reprogramming Application Manager using QT interface.
- Programming and Changing UI screens using C++/QT Used multi-threading and thread synchronization extensively.
- Strategize with the outside sales team to architect solutions utilizing the QT framework.
- Utilized STL and C++ algorithms to achieve optimal design efficiency.
- Experience using Agile/Scrum/Waterfall software development methodologies on customer collaboration.
- Developed new reports using Python to identify the sales margin overrides.
- Implemented code in Python to retrieve and manipulate data.
- Developed native UI using JavaScript with event handlers and fetching data using SOAP interfaces.
- Involved in production support and providing hot fixes to the production issues.