



# PARTHA DHAR

## Backend Developer

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## CAREER SUMMARY

Senior Software Developer specializing in back-end development. Experienced with all stages of the development cycle for dynamic web projects. Well-versed in PHP OOP, MySQL, JavaScript. Mostly worked in Laravel (ui: bootstrap/vue).

Wrote back-end code for 4 working business applications, 11 microservices in NodeJs+MongoDb & 5 with Web3+NodeJs.

Also done automation setup for 2 organisations with CI/CD-runner/Docker/k8s, Managed 15+ VPS (+ 2 AWS accounts & 1 dedicated server) with CloudFlare/GoDaddy, Installed and managed BTC/TRON/Matic/ETH(Geth) fullnodes, Self-Hosted Git Setup with Sonarqube/trivy code-scanning rules, for all developers in the current Company.

## WORK EXPERIENCE

### Senior Software Developer

Brainium Information Technologies Pvt. Ltd.

May 2016 - Present

#### Projects:

##### • Cryptocurrency Trading Tool (Version 2)

Token trading-bot management tool using different centralized exchanges' (eg:Binance) API. Users can add their API key/secret from exchanges and prepare algorithms for different types of trading. It also have trading algorithm templates sharing between users, and portfolio analysis.

**Technology used:** NodeJs as Backend, Python(Docker) as API connector, ReactJs as Frontend, MongoDB as Database, Github Actions for deployment and backup, Ubuntu/Webmin for hosting.

**My Roles & Responsibilities: (Team of 8)** Server/Pipeline preparation, Database design and management, Building NodeJS API Backend, Making affiliate system and Payout, Securing endpoints, Encryption Module for saving users' key/secret, Fetching users' NFT balances and applying it to user subscription, Dockerize Python ccxt API connector.

##### • Cryptocurrency Trading Tool (Version 1)

Token trading-bot management tool build with Laravel, it also have Round Contest system, Trading Tournaments, Affiliate/Share distribution, Wrapped Token Exchange, Wallet Web3 Login, Users' subscription.

**Technology used:** Laravel as Backend/Frontend(blade), NodeJs as API connector, MySQL/MongoDB as Database, Github Actions for deployment, Ubuntu/Webmin for hosting, Redis for JWT sharing.

**My Roles & Responsibilities: (Team of 5)** Server/Pipeline preparation, Database design and management, Theme implementation to Laravel Blade, Building backend and user dashboard, Building NodeJS API connector for Binance/MEXC/Poloniex, Securing endpoints.

##### • Token Swap (PancakeSwap Clone)

Token swap platform like Uniswap or pancakeswap.

**Technology used:** ReactJS, TRON/BTT/BSC blockchain network, Smart contracts.

**My Roles & Responsibilities: (Team of 2)** Server/Pipeline(GH, Vercel, Heroku) preparation, Making Smart Contracts with acceptable ABIs, Fetching Markets pairs, Live token rate conversion, Making/publishing NPM packages for contract connectivity, Managing TRON fullnode, Securing endpoints.

##### • CryptoCurrency Exchange

Crypto Currency exchange Application using Laravel framework, listing of different coins and creating markets and coin pairs for users to Deposit/Withdraw/Trading different coins/tokens.

**Technology used:** Laravel, NodeJS/PM2, MySQL/MongoDB/Redis, EchoServer/WebSocket, TRON/BTC/ETH blockchain networks, Smart contracts.

**My Roles & Responsibilities: (Team of 6)** Server/Pipeline/Database/Business logic design and management, Installed and managed BTC/TRON/Matic/ETH(Geth) fullnodes, making APIs to connect fullnodes with NodeJS, Develop Deposit/Withdraw functions to blockchain wallets, making EchoServer for Trade Orders auto allocation, Implementation of TradingView charts/G2FA/JWT, User Role/Wallet/Order/Affiliate management, Securing endpoints.

## SKILLS & TOOLS

### Backend

PHP/Laravel

Node.js

WPJSON/GraphQL

Python

### Frontend

PHP & Blade/Livewire

HTML/CSS/SASS/LESS

JavaScript(Vue/Express)

### Others

Platforms & Tools

Git

GCM

AWS Top10

CF

Docker/Heroku/K8

DevOps (GH Actions/ GitLab pipeline)

Autocode/Netlify/Vercel

Ubuntu

Webmin

VS Code/Atom

Neo4j

FOSS

RPI/Arduino

Flipper One

NetHunter

LSPosed

Alexa Skills