

Vikrom Narula

Programmer, Learner, Problem Solver

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EXPERIENCES

Erudite | Full-time, Back-end Engineer | Next.js, Python, Prisma, Docker, Django, Rust, Go Oct 2022-Feb 2024

- Dockerize and deploy candle stick data aggregation service.
- Benchmark and write reports on data latency from server to client.
- Implement Websocket endpoint for users to subscribe to real-time candlestick data.
- Build a candlestick data aggregation service with Rust from raw ITCH data.
- Lead micro-service protocol adapter project. Converting ITCH protocol to EMAPI protocol(Completed on time).
- Consult and advise on projects architecture and tech stacks.
- Attend client meetings to give development perspective.
- Lead and documented back-end on medicine registry service. 1st phase was completed in 1 month.
- Implement invoice, and receipt service interface to third party clients.

Agoda | Internship, Finance Back-end Team | .NET, React, SQL, Play, Scala Apr 2022-Aug 2022

- Migrate .NET Framework to .NET Core
- Migrate from Github, and Teamcity to Gitlab and it's CI/CD
- Implement internal API endpoint to streamline manual workflow, and notify via Slack
- Change database usage from Hadoop to Microsoft SQL server for an API endpoint

The Gang Technology | Part-time, Back-end Developer | Django, PostgreSQL Jan 2022-Feb 2022

- Implement API endpoint to query user information and parse to xlsx format
- Implement API endpoint to query user information and output as pdf format
- Implement function to parse user information to government standard encoding
- Implement schema to accept government standard encoding

Ad Hero | Full-time, Part-time, Back-end Developer | React, Prisma, GraphQL, Express.js Feb 2020-Dec 2020

- Implement API endpoint to interact with service provider API
- Encrypt and decrypt API data for some service provider

PROJECTS

Crypto Currency Analyser | Python, Pandas, BeautifulSoup

Scrap top market capitalization crypto currency to compare current price with average price within some time gap and show percentage change.

Golf Tournament Application | Node.js, JavaScript, React, React Native, Firebase, Chakra

Create a tournament application for competitor to keep of theirs and opponent scorecard, with easy to use scorecard and intuitive scorecard display.

Public Transportation API: BTS & MRT map API | Python, Django, Docker

Create API for user to query to path between two stations across BTS and MRT, by using graphs and DFS.

SKILLS

Programming

- Python (4+ years)
- JavaScript/TypeScript (3+ years)
- Basic - Rust, Scala, SQL, R, HTML, CSS

Tools/Others

- Scripting(Bash, Python), Git, Linux/Unix, Docker
- Neovim, Visual Studio Code, IntelliJ IDEA, Vim, Tmux, \LaTeX

EDUCATION

Mahidol University International College | Bachelor degree in Computer Science 2018-2022

CGPA 3.10

Courses - Advanced Calculus, Statistics, Discrete Math, Algorithm Analysis, Digital Logic Design, Database Management Systems, Data Structures, Operating Systems, Computer Networks, Deep learning, Blockchain