

# Vikrom Narula

Programmer, Learner, Problem Solver

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## EXPERIENCES

**Erudite** | Back-end Engineer | Next.js, Python, Prisma, Docker, Django, Rust, Go Oct 2022-Present

- Benchmark and write report on the delay from server to client.
- Implement Websocket endpoint for user to subscribe to real-time candle stick data.
- Build an candle stick data aggregation service with Rust from Ticker data.
- Lead micro-service protocol adapter project. Converting ITCH protocol to EMAP1 protocol(Completed on time).
- Consult and advise on projects architecture and tech stacks.
- Attend client meetings to give development perspective.
- Lead back-end on on medicine registry service. 1st phase was completed in 1 month.
- Write up project documentation on medicine registry service.
- Implement invoice, and receipt service interface to third party client.

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

- Migrate .NET Framework to .NET Core
- Migrate from Github, 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.

**Python Machine Learning: NLP Steam Games Reviews** | Python, Sklearn, Pandas, Numpy, Matplotlib

Analysis of stream review to see if the given review is good or bad, by using different vectorization and activation functions effects the model.

**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 (2+ years)
- JavaScript/TypeScript (2+ years)
- Basic - Rust, Scala, SQL, R, HTML, CSS

### Tools/Others

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

## 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