

# Vikrom Narula

Software Engineer, Learner, Problem Solver

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## EXPERIENCES

<b>Manatal</b>   Full-time, Junior Backend Engineer	Django, Python, FastAPI, PostgreSQL	Sep 2024-Present
• Owner of multiple micro-service such as, Webhook event distributor, Resume parser.		
• Lead and implement a logging system for micro-service with Datadog integration.		
• Lead, design and implement a library to generate notification and transactional emails.		
• Modernize email to new template via Jinja hydration.		
• Push and lead the project on standardizing linting for backend micro-service, and set up pre-commit hooks.		
• Improve local development via dockerization of multiple services, updating & maintaining a mocking server.		
• Optimize dashboard page load speed by 40% via endpoint pruning and optimization.		
• Optimize slowest endpoint on multiple micro-service.		
• Create a backfill script for missing key client data from information extracted via history logs.		
• Generate and maintain weekly engineering reports.		
<b>Erudite</b>   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.		
<b>Agoda</b>   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		
<b>The Gang Technology</b>   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		
<b>Ad Hero</b>   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

### Replicate wc Unix Command | Python, Unix, CLI

Create a replication of the Unix command wc via Python.

### 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.

## SKILLS

### Programming

- Python (5+ years)
- Basic: Rust, 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

CGPA 3.10

2018-2022

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