

# Vikrom Narula

Software Engineer, Learner, Problem Solver

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## EXPERIENCES

<b>Manatal</b>   Full-time, Junior Backend Engineer	Django.js, 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

<b>Crypto Currency Analyser</b>		
Replicate wc Unix Command		Python, Unix, CLI

Create a replication of the Unix command wc via Python.  
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

<b>Mahidol University International College</b>   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