

Vikrom Narula

Software Engineer, Learner, Problem Solver

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EXPERIENCES

- Manatal** | 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.
- 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

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

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

Vikrom's Résumé, February 16, 2026, [Download Résumé](#)