

backend | data | ai | oss

## Professional Experience

### Senior Software Engineer, Prefect

Chicago IL | 2023-present

- Worked with product leaders to distill sane-default experiences from complex user needs
- Co-authoring and maintaining `fastmcp` (the most popular python interface to MCP)
- Expanding and maintaining the open-source Prefect SDK and server components
- Building AI-powered systems (NLIs + RAG etc) to extend teams within the organization
- Working with leadership and marketing to improve our digital footprint and outreach
- Pioneering use of PyO3 to defer CPU-intensive work to a faster, more efficient runtime
- Synthesize the bleeding edge of AI tooling to adopt maximally efficient in-house solutions and practices

### Software Engineer, Prefect

Chicago IL | 2022-2023

- Designed and implemented a Celery-replacing asynchronous task queue to Prefect open-source and Prefect Cloud
- Contributed to upstream and downstream open-source projects like `pydantic` and `chromadb`
- Designed, implemented, and maintained prefecthq/marvin (OpenAI ripped off our DX)
- Brought AI into Prefect Cloud
- Designed, implemented and managed open-source autonomous systems like our slackbot

### Data Engineer, SLATE (acq. by Prefect)

Remote | 2021-2022

- Built custom IaC, ETL, and data modeling for customers (dbt, snowflake, databricks, duckdb, prefect, etc)
- Translated business logic from leaders into maintainable / transparent data pipelines
- Implemented supporting web-apps for customers to interact with their data

## Education

### Bachelor of Science in Chemical Engineering

University of Michigan, Ann Arbor | Graduation Year: 2020

## Technologies

- python, rust (pyo3), ts (react)
- web frameworks, websockets
- databases (postgres, sqlite, redis)
- containerization (docker, kubernetes)
- LLM tools (structured outputs, agentic while loops, vectorstores)

## Notable projects

- fastmcp - the most popular python interface to MCP
- marvin - a popular AI engineering toolkit
- raggy - a not-so-popular RAG toolkit

## Contact

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