

Timothy Payne Jr.

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SOFTWARE ENGINEER - DATA

Senior Software Engineer with experience owning and delivering software data products. I have spent most of my recent work time building data applications on the Azure ecosystem that solve logistics data business needs. I work closely with stakeholders and lead the technical team to ensure that requirements and progress are captured accurately and communicated consistently.

GITHUB

SKILLS:

- SQL (MySQL, PostgreSQL, SQL Server)
- Data Engineering Stack (Dagster, Meltano, Power BI, Superset, Azure Data Factory, Databricks)
- Azure development (Azure web app, Azure Devops)
- AWS development (Lambda with Python, S3, EC2, RDS, DynamoDB, etc.)
- Data Analysis with Python libraries (Pandas, Scikit-Learn, NumPy, Seaborn, Matplotlib, etc.)

EXPERIENCE

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| Feb 2022 – Present | Software Engineer – Data at DuPont <ul style="list-style-type: none">• Serve as product owner for logistics data application with \$2 million of business value• Communicate and realize evolving requirements from business stakeholders• Lead technical team on application development• Manage React Frontend, Python Fast API backend, SQL server database and Azure Devops |
| August 2021 – Feb 2022 | Software Engineer – Data Scraping at Working Excellence <ul style="list-style-type: none">• Serve as a consulting engineer for a data service startup• Contribute to overall platform pipeline architecture diagrams• Create and maintain pipelines for dynamic web crawlers and scrapers• Transform data for use in back-end web application API |
| August 2018 – Aug 2021 | Python/Database Developer Freelance <ul style="list-style-type: none">• Create and manage PostgreSQL databases to store client's internal data• Build web apps and APIs with Django• Automate browsers to scrape information to fulfill client's data requests• Build and document data pipelines |
| August 2014 – June 2021 | Mathematics/Computer Science Teacher at Various Schools <ul style="list-style-type: none">• Provide instruction in Advanced Algebra and Computer Science• Implement PostgreSQL and Python to analyze and track student data• Serve as database manager for student grades and assignments |

EDUCATION/CERTIFICATIONS

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| July 2021 | AWS Certified Developer – Associate |
| Jan 2021 | PCAP – Certified Associate in Python |
| Sep 2004- May 2009 | The College of New Jersey - Bachelor of Arts in Mathematics |