

# John Purviance

johnpurviance.com

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## Experience

### Tech Lead & Sr. Software Engineer, NVIDIA

Boulder CO,, July 2022 - Present

- Empowering engineers to reshape & simplify core Python SDKs & CLI.
- Automating ourself out of a job – Architected Build, Test & Release process for MagLev developer tools & Python packages.
- Driving AI productivity with Python SDK abstractions & optimizations for ML pipelines

### Sr. Software Engineer, Bloomberg LP

New York NY, October 2021 - June 2022

- Architected and Orchestrated Bloomberg's Python 2 to 3 migration for the Object Storage system.
- Created API contract validation system that reduced time to production.

### Python Guild Leader, Bloomberg LP

New York NY, July 2019 - June 2022

- Architected and Built Bloomberg's core caching framework for Python TCP Services & Clients.
- Expanded codec support for Bloomberg's core Python TCP Services and removed expensive encode-decode operations.
- Taught workshops to over 400 Engineers on Python 2 to 3 Migrations, Concurrent Programming in Python, and Creation & Distribution of Python Packages.

### Sr. Software Engineer, Bloomberg LP

New York NY, June 2017 - October 2021

- Reduced build time of core Python component by 90%
- Designed and Built performance evaluation system for security extraction that increased developer productivity by over 100%

### Data Engineer (Intern), Capital One

Dallas TX, June 2016 - August 2016

### Software Engineer (Intern), Reinventing Geospatial, Inc.

Fairfax VA, June 2015 - August 2015

### Software Engineer (Co-Op), Reinventing Geospatial, Inc.

Fairfax VA, January 2015 - May 2015

## Education

B.S. in Computer Science

Virginia Tech, May 2017

Minors in Math & Economics

## Open Source

Typer – PyCon 2023,

Type Parsing for Python CLIs

Bloomberg Review Panel,

August 2021 - June 2022

## Engineering Development

Tech Lead – MagLev SDKs,  
NVIDIA, 2023 - Present

New Employee Mentor,  
Bloomberg, 2018 - 2022

## Skills

Python, Python Packaging,  
Docker, Kafka and Git

