



PADEN GAYLE

New York, NY • [REDACTED] • [linkedin.com/in/padengayle](https://www.linkedin.com/in/padengayle)

TECHNICAL SKILLS

Languages: Python, Go, C++, R, Swift, Java, JavaScript, SQL, Postgres, HTML, CSS

Frameworks, Libraries & Technologies: Celery, PyTorch, AWS, Flask, RabbitMQ, Redis, Docker, Kubernetes, MLFlow

WORK EXPERIENCE

Bloomberg

Software Engineer

New York, NY

May 2021 - Present

(Data Platform Infrastructure / Metadata Team) | Python

- Optimized daily metadata processing for millions of datasets by transitioning from a proprietary format to Parquet, resulting in a 30% cost reduction, saving millions, and accelerating file creation by 70%, significantly enhancing efficiency for the LLM project.
- Employed Celery in conjunction with Redis/RabbitMQ as the message broker to efficiently distribute data-related tasks across multiple worker nodes, achieving a 3x improvement in task completion rates.
- Collaborated on the design of a distributed computing framework for handling large-scale metadata processing tasks, leading to a substantial reduction in processing time and notable throughput improvement.
- Spearheaded codebase refactoring and optimization efforts, resulting in an 80% reduction in service calls, leading to enhanced system performance and substantial cost savings for storage on AWS.

(Trading Systems / Buy-Side Team) | C++, Python, Go

- Revamped architecture using C++, Python, Go, Postgres, Docker, and Redis to enhance latency and accuracy.
- Refactored existing codebase and created Docker setups with RabbitMQ monitoring to support efficient communication between different software components, resulting in improved deployment and scalability, and reducing troubleshooting time by ~20%.
- Led the strategic re-architecture of a critical service design, resulting in a 50% reduction in trade booking time for traders.
- Supported team in adding support for cryptocurrency, enabling clients to manage and trade digital assets in addition to traditional financial instruments; facilitated the onboarding of clients interested in crypto.
- Serve as an Advisory Member of Bloomberg's Black ERG, organizing events with internal and external partners to promote diversity and inclusion.

Scale AI

Remote

AI Platform - LLM QA Engineer (Contractor)

June 2023 - Present

- Enhanced the LLM's data processing and model training pipelines, leading to a 25% increase in efficiency and a 15% enhancement in output precision across varied tasks without the direct use of NLP algorithms.
- Evaluated AI-generated responses using a Side-by-Side (SxS) scoring system, enhancing model accuracy by ranking based on key dimensions.

Accenture

New York, NY

Technical Architect

September 2019 – May 2021

- Designed visualizations to facilitate the interpretation and explanation of patterns within the PPP loan system.
- Collaborated with internal and client stakeholders to ensure all components aligned with objectives and performance goals defined in the requirement.
- Ensured database designs met requirements, including data volume, frequency needs, and long-term data growth.

Baruch College, Student Academic Consulting Center

New York, NY

College Assistant

June 2017 – August 2019

- Certified Advanced Level II Tutor with over 500+ hours of experience tutoring small cohorts in STEM-related coursework.

EDUCATION

Baruch College, City University of New York

New York, NY

BBA: Major - Computer Information Systems (Data Analytics), Minor - Mathematics

September 2019

INVOLVEMENT

Out for Undergrad (O4U)

New York, NY

Campus Ambassador

August 2017 – Present

Success Academy

New York, NY

Ad-hoc Music Teacher (Cello)

March 2020 – Present

PROFESSIONAL AFFILIATIONS

Out in Tech – Career Counselor and Mentor for LGBTQ+ youth in their undergraduate

Baruch College - Advisor for Comp Science major and students looking to pursue Software Engineering or adjacent Roles

National Society of Black Engineers – Region I member focused on the recruitment of Black and African American STEM students