Joseph Brighter | Data Scientist

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in joseph-brighter-53607a176

Detail-oriented Software Developer with 4 years of experience, pivoting to Data Science. Proven track record of leveraging Python, SQL, and scalable full-stack architecture to build data solutions and conduct exploratory analysis. Certified Google Data Analytics Professional.

Technical Skills

- **Data/ML:** Pandas, NumPy, Tableau, EDA, Statistics, PostgreSQL, MySQL, Data Visualization, Scikit-learn.
- **Languages/Tools:** Python, R, SQL, Django, Node.js, C/C++, Bash.
- **Cloud/DevOps:** Docker, Git/GitHub, Jenkins, Jira, AWS, Azure.

Professional Experience

Self-Employed   **Philadelphia, PA**
Freelance Software Engineer   *Feb 2025 – Present*
- Provided local clients and small businesses with personal technical solutions

Comcast Corp.   **Philadelphia, PA**
Software Developer II   *April 2022 – Nov 2024*
- Architected and maintained internal data tools using **Python**, **Django**, and **PostgreSQL**, facilitating critical workflows for internal development teams.
- Optimized database queries and application logic to scale infrastructure support from 50 to 300+ users (a **500% increase** in capacity) without performance degradation.
- Engineered automated scripts to parse and analyze complex logs from embedded software devices, transforming raw unstructured data into actionable insights for debugging.

QuestUni LLC   **State College, PA**
Lead Developer & Co-Founder   *April 2020 – Jan 2022*
- Conducted **exploratory data analysis** on survey data from hundreds of students and faculty, identifying key engagement bottlenecks, and implemented data-driven platform improvements based on analysis results, leading to a verified **25% increase** in research engagement.
- Designed the core database schema using **MySQL** to efficiently store and retrieve complex matching criteria for user-generated inputs.

Selected Projects

joebrighter.com   **Online**
Data Science Portfolio   *Ongoing*
- *Cyclistic Bike Share Analysis*: Analyzed 8 months of bike share records using **RMarkdown** to differentiate member usage; recommended weekend promotions to increase member conversions by targeting casual users, who ride **100% more** on weekends.

Education & Certifications

Google Advanced Data Analytics Certificate   *Issued 2026*
Focusing on Python, statistical analysis, regression analysis, and machine learning models.

Google Data Analytics Professional Certificate   *Issued 2025*
Completed rigorous training in data cleaning, analysis, visualization, and R programming.

Pennsylvania State University   **State College, PA**
B.S. in Computer Science and Mathematics   *Aug 2017 – May 2021*