Joseph Brighter | Software Engineer

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in joseph-brighter-53607a176

Results-oriented Software Developer with 4 years of professional experience in enterprise environments and a background in freelance technical consulting. Expert in building scalable full-stack architectures using Python, Django, and SQL. Proven track record of increasing system capacity by 500% and automating complex workflows to drive operational efficiency.

Technical Skills

- **Languages & Frameworks:** Python (Django), C/C++, SQL (PostgreSQL, MySQL), Node.js, Bash, JavaScript, R, HTML/CSS.
- **Tools & DevOps:** Docker, Git/GitHub, Jira, AWS, Azure, CI/CD Pipelines.
- **Data Engineering:** RStudio, Pandas, NumPy, Scikit-learn, Data Visualization (Tableau), EDA.

Professional Experience

Self-Employed — **Philadelphia, PA**
Freelance Software Engineer — *Feb 2025 – Present*
- Provided local clients and small businesses with personal technical solutions, ranging from web application development to backend automation scripts.
- Developed scripts and websites using **Python**, **JavaScript**, and **HTML/CSS**
- Managed the full software development lifecycle for diverse projects, including requirements gathering, UI/UX design, and deployment on cloud platforms.

Comcast Corp. — **Philadelphia, PA**
Software Developer II — *April 2022 – Nov 2024*
- Architected and maintained internal software tools using **Python**, **Django**, and **PostgreSQL**, serving as the primary backend developer for internal services.
- Optimized application logic and database queries to scale infrastructure support from 50 to 300+ users (a **500% increase** in capacity) while maintaining sub-second response times.
- Engineered automated scripts to parse and analyze complex logs from embedded software devices, transforming raw unstructured data into actionable debugging insights for firmware teams.

QuestUni LLC — **State College, PA**
Lead Developer & Co-Founder — *April 2020 – Jan 2022*
- Led the end-to-end full-stack development of a student research service website, utilizing **Javascript** and **MySQL** to create a responsive and scalable user experience.
- Designed and managed the core database schema, implementing a matching service that increased research engagement by **25%**.
- Directed the technical roadmap, from initial MVP design to cloud deployment on **AWS**, ensuring high availability and data security.

Education & Certifications

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

Google Advanced Data Analytics Certificate — *Issued 2026*
Advanced Python libraries for statistical modeling, regression, and machine learning.

Google Data Analytics Professional Certificate — *Issued 2025*
Foundational training in data cleaning, SQL analysis, and R programming.