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# Stephen Brock

4107076771 • stephen.brock928@gmail.com • [linkedin.com/in/stephen-brock/](https://www.linkedin.com/in/stephen-brock/)

## Software Engineer

Versatile software engineer with a wide range of experience in software engineering, data analytics, process improvement, and business intelligence. Skilled in developing and maintaining microservices, RESTful APIs, and data analytics dashboards. Proficient in SQL and database management with experience working with various databases including PostgreSQL, T-SQL, and PL/SQL. Passionate about leveraging technology to solve complex business problems.

## WORK EXPERIENCE

**MediGO, Inc** • Baltimore, Maryland

**03/2022 - 05/2023**

### Software Engineer

- Developed and maintained Python microservices, including a Flask RESTful API, asynchronous Celery task queue, and an event-driven notification service to facilitate tracking of organ shipments.
- Created automated functional and unit tests to ensure that software changes did not adversely affect systems.
- Designed and implemented a data analytics dashboard to visualize shipment volume trends for management.
- Conducted exploratory data analysis using SQL and Python to identify and resolve telemetry data issues in the database.
- Spearheaded the implementation of OpenAPI/Swagger documentation for the Flask API back end.
- Helped lead the refactoring effort to clean up old test suites and legacy code.

**Wells Fargo Bank, N.A.** • Columbia, Maryland

**06/2017 - 03/2022**

### Software Developer

- Designed, built and maintained real-time production queue dashboard in Python (Flask/Plotly Dash) that provides product managers and team members with strategic insights on current workflow.
- Developed a framework for monthly analysis of employee and product KPIs, team resource allocation, and generation of budget reports for senior management.
- Developed and tested T-SQL stored procedures to increase efficiency and accuracy of monthly CLO data tie-out and reporting.
- Streamlined multiple operational and ETL processes, resulting in significant FTE reduction.
- Conducted UAT testing of database updates to identify and address potential impacts to existing EUCTs.
- Innovated non-Excel-based solutions using Python to meet enterprise-level EUCT reduction initiatives.

## EDUCATION

### Bachelor of Science in Applied Mathematics

Towson University • Towson, Maryland • 05/2017

## SKILLS

Python, VBA, PostgreSQL, Oracle PL/SQL, Microsoft T-SQL, Microsoft Excel, Gitlab, Git, Microsoft Access, Javascript, HTML, CSS, C++, Java