

Shounak Dey

Sr. Data Engineer, Birlasoft Limited

+91-8208824948
shounakdey@ymail.com
[linkedin.com/in/sdglitched/](https://www.linkedin.com/in/sdglitched/)
github.com/sdglitched

PROFESSIONAL SUMMARY

Python Developer with a background in Data Warehouse engineering and 3.5+ years of professional experience. Actively contributing to open-source projects, including work with the Fedora Infrastructure team.

EXPERIENCE

PROFESSIONAL

BIRLASOFT

Senior Data Engineer

Remote - Apr 2024 to Present

Data Engineer

Remote - Oct 2022 to Apr 2024

Trainee Developer

Remote - Sep 2021 to Oct 2022

OPEN SOURCE

FEDORA PROJECT

Open-Source Contributor

Remote - Nov 2024 to Present

PROJECTS

PERSONAL

[LOADOUTS FOR GENSHIN IMPACT](#)

- Co-developed an open source, cross-platform desktop app to manage custom equipment configurations from a video game (Genshin Impact)
- Designed interactive UI using PySide6 and Qt Quick
- Integrated Tesseract OCR for automatic extraction of textual data from in-game screenshots
- Achieved 100% test coverage with 1420+ tests across UI and logic layers

[NOTIFIER FOR GENSHIN IMPACT](#)

- Added dynamic resin usage plan generation via scheduled or user-triggered commands
- Introduced custom command for daily material tracking per character
- Implemented multi-user support across groups and DMs for personalized interactions

[FASTAPI ECOMMERCE API](#)

- Built a fully asynchronous e-commerce API with CRUD support for businesses, products, customers, and orders
- Used Pydantic for validation, SQLAlchemy + asyncpg for DB operations, and Alembic for migrations
- Achieved 100% test coverage to ensure reliability and scalability

OPEN SOURCE

[WEBHOOK TO FEDORA MESSAGING MESSAGES](#)

- Added support of GitLab message for enabling CentOS Project's migration from Pagure to GitLab
- Implemented type annotations to enhance code consistency
- Migrated to relative imports and added Python 3.13 support in CI
- Updated dependency management with latest standards of Poetry

[PAGURE EXPORTER](#)

- Refactored for better readability and maintainability
- Added support for migrating tags with improved safety of issue exports by sanitizing '@' mentions in ticket titles
- Enhanced CI by triggering workflows

[WEBHOOK TO FEDORA MESSAGING](#)

- Added support of GitLab service for enabling CentOS Project's migration from Pagure to GitLab
- Implemented type annotations to enhance code consistency
- Migrated to relative imports and added Python 3.13 support in CI

[METASOURCE](#)

- Enabled clean URL routing by stripping trailing slashes
- Enabled isolated downloads using hidden temporary directories with post-processing file moves
- Added support for custom port selection via CLI

[DATANOMMER](#)

- Designed and implemented a materialized view for efficient retrieval of recent messages

[FIRMITAS](#)

- Increased test coverage from 87% to 100%, ensuring comprehensive validation across the codebase.

TECHNICAL SKILLS

Programming Languages

Python, Go, Oracle SQL, PL/SQL

Database

Oracle, MySQL, PostgreSQL

Version Control & CI/CD

Git, GitHub Actions, Azure DevOps

Containerisation

Podman, Docker

Operating Systems

Linux, Windows

ACHIEVEMENT

Team Awesome Award - for exemplary performance and strong demonstration of customer centricity

EDUCATION

Bachelor of Engineering (B.E.) in *Electronics & Telecommunication* - Pune University – 2021 | CGPA: 8.37

CERTIFICATIONS

AZ-104 - Microsoft Azure Administrator Associate