

Biswadeep Baruah

Software Developer

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PROFESSIONAL SUMMARY

Highly skilled backend developer with strong proficiency in Python and Laravel, offering over a year of experience in creating efficient and scalable solutions. Proven track record in developing e-commerce platforms, microservices architecture, and API integrations. Seeking challenging opportunities to leverage expertise and contribute to dynamic organizations.

CORE COMPETENCIES

- **Backend Development:** Python, PHP, Laravel, Flask
- **Database Management:** MySQL, MongoDB
- **API Development:** RESTful APIs, Third-party integrations
- **Architecture:** Microservices, Scalable system design
- **Tools & Technologies:** Git, Postman, Search services integration
- **Specializations:** E-commerce platforms, Multi-language applications

TECHNICAL SKILLS

Languages: Python, PHP

Frameworks: Laravel, Flask

Databases: MySQL, MongoDB

Tools: Git, Postman

WORK EXPERIENCE

Backend Developer — Tata Trent (Star Quik) (March 2024 – Present)

Python Developer (Odoo ERP)

First 11 months

- Developed and maintained a **Python-based ERP** system using the **Odoo** framework.

PHP Developer (Laravel)

Subsequently

- Transitioned to the Star Bazaar application team, focusing on backend development with **PHP and Laravel**.
- Played a key role in migrating the system from an in-house Odoo ERP to a third-party **Vinculum** solution, enhancing **scalability and performance**.

Backend Developer — Expand My Business (Oct 2022 – Feb 2024)

PHP Developer

Feb 2023 - Feb 2024

- **Snabbcom:** Developed a scalable backend for an e-commerce platform using **Laravel**, resulting in a **robust and performant system**. Designed and implemented **RESTful APIs** to ensure **seamless frontend-backend communication**.
- **Tata Star Delite & Star Quik:** Contributed to live Tata projects, implementing a **microservice architecture** to improve **modularity and scalability**. Integrated **Wizzy search services**, leading to a **significant improvement in search functionality**.
- **Socialee E-commerce App:** Engineered the backend for a novel **e-commerce app** featuring an innovative **reel function**. Implemented **multi-country and multi-language support** (Arabic/English), expanding the app's reach to a **global audience**.

Python Developer

Oct 2022 - Feb 2023

- **Expand My Business Development:** Developed backend for a **B2B marketplace**, building scalable features across **e-commerce, ERP, and gaming verticals**. Integrated numerous APIs and managed databases for **optimal performance**.

KEY PROJECTS

- Cryptanalysis of Lightweight Block Cipher** *2021*
- Conducted research on Twine-80 cipher vulnerability, identifying a theoretical exploit reducing break time from 2^{80} to 2^{78} .
- Parallel Programming Optimization** *2018*
- Enhanced program efficiency using **parallel programming techniques**.
- Regional Transport Office Vehicle Registration System** *2016*
- Designed a **streamlined vehicle registration system** for a BTech project, implementing data validation, user authentication, and database management.

EDUCATION

MTECH CGPA: 81.30	University of Hyderabad	<i>2022</i>
BTECH CGPA: 66.00	Jorhat Engineering College	<i>2018</i>
HSSLC Percentage: 81.00	Vikas Vidyaniketan	<i>2013</i>
HSLC Percentage: 69.00	Christ Jyoti School	<i>2011</i>

ACHIEVEMENTS

- Rising Star Award, Expand My Business (2023)
- Anundoram Borooah Award (2011)
- 37th position Maths Olympiad (2008)

LANGUAGES

Assamese (Native), English (Professional Proficiency), Hindi (Professional Proficiency)