



HOUY SENGLANG

Backend Developer

ABOUT ME

Detail-oriented Backend Developer with over 3 years of experience in Fintech systems and API architecture. Currently serving as an R&D Officer specializing in technical research, environment standardization using Docker, and performance benchmarking. Proven track record in architecting secure, 100% accurate financial systems—including Core Banking and Pawn Management—with a focus on high-volume transaction reliability and scalable system design.

EDUCATION

Bachelor of Software Engineering

BELTEI International University

2023 – 2025

TECHNICAL

Languages & Frameworks

PHP (Laravel), C#, Python, JavaScript.

Databases

MySQL, PostgreSQL, Database Design.

Tools & DevOps

Git/GitHub, Postman, Linux (Ubuntu), Nginx, Composer, Docker .

Concepts

RESTful APIs, OOP, MVC Architecture .

LANGUAGE

- Khmer (Native)
- English (Professional)



+855 784-197-60 (TELEGRAM)



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EXPERIENCE



Wintech Software Development

Jan 2023 – Present

1363 National Road No. 2, Phnom Penh 120602.

- **Pawn System:** Architected and developed a robust Loan and Pawn Management System using Laravel as the core framework.
- **API Architecture:** Designed and implemented secure, scalable RESTful APIs to handle complex financial transactions, pawn collateral tracking, and interest calculation schedules.
- **API Documentation:** Documented the entire RESTful API enabling smoother collaboration with the frontend team and reducing integration bugs.
- **Feature Development:** Built critical modules for loan origination, repayment tracking, and automated penalty calculations, ensuring 100% financial accuracy.
- **Background Processing:** Leveraged Redis-backed queues for heavy lifting tasks like batch interest calculations and mass notification sending, preventing system lag during peak hours.
- **System Optimization:** Optimized database queries and backend logic to support high-volume transactions across multiple branches.



FEATURE PROJECT



Mimic (Open-Source Mock API Tool)

- **Status :** Active Development / In Progress
- **The Goal :** Architecting a professional-grade mock API engine to streamline integration testing between complex backend and frontend systems.
- **Current Focus :** Implementing a dynamic response engine using python and Vue 3 to simulate high-frequency multi-system environments.
- **Infrastructure :** Utilizing Docker to ensure the tool is easily portable and scalable across different development environments.

