SHYKAT ROY

Software Engineer

Khulna, Bangladesh

+88013171-20335 | https://dnox.xyz | shykatroybdku199@gmail.com | https://github.com/shykat199 | https://linkedin.com/in/shykay-roy/

I'm Shykat Roy, a seasoned Software Engineer and Web Application Developer with a strong focus on API development and server-side programming. My expertise spans JavaScript, Laravel, and PHP, where I've built robust, scalable solutions for dynamic web applications. I have a proven track record in optimising MySQL queries and managing databases to ensure efficient, seamless, and reliable backend systems. With a keen eye for performance and precision, I strive to deliver clean, maintainable code that drives business success.

For more about my work, please visit my portfolio: https://dnox.xyz/

EDUCATION

LOVELY PROFESSIONAL UNIVERSITY, PUNJAB, INDIA   **2018-2022**

Bachelor of Technology (Information Technology)

Graduated with a 7.17/10 CGPA, specializing in Software Engineering and Testing. The program provided a strong foundation in computer science fundamentals, software design principles, and modern development methodologies. Gained hands-on experience in full-stack web development, API integration, database design, and software quality assurance through academic projects and practical coursework. Developed strong problem-solving skills and the ability to design scalable, efficient solutions in collaborative team environments.

SKILL

- PHP
- Rest API
- Laravel Livewire
- Laravel
- HTML & CSS
- CodeIgniter
- JavaScript
- Data Structure & Algorithm
- Version Control Tool - Git
- Mysql
- Trello

WORK EXPERIENCE

Jr. Software Engineer at AppsInception   **AUG 2023–FEB 2025**

Promoted from Back End Developer Intern to a full-time role, contributing to the design, development, and maintenance of scalable web applications. Collaborated with cross-functional teams to deliver high-quality software solutions and continuously enhance backend performance.

- Developed and maintained backend systems using Laravel, CodeIgniter and PHP.
- Designed and optimized REST APIs for high performance and reliability.
- Improved MySQL database efficiency through indexing and query optimization.
- Integrated third-party APIs and payment gateways.
- Collaborated in Agile/Scrum teams to meet project deadlines.
- Implemented code reviews, version control, and CI/CD practices.

Back End Developer (Intern) at AppsInception   **Feb 2023–July 2023**

Completed a 6-month internship at a fast-paced software company, contributing to diverse backend projects and gaining valuable hands-on experience in web application development. Collaborated with senior developers to deliver efficient, scalable solutions while enhancing problem-solving and technical skills.

- Backend development using Laravel and PHP.
- REST API creation, integration, and testing.
- MySQL database design, optimization, and query tuning.
- Collaborating in an Agile/Scrum development environment.

HOBBY

- Cooking
- Travelling

LANGUAGE

- Bangla
- English
- Hindi

PROJECTS

Fatx.io

Fatx is a secure and scalable backend API powering a digital investment platform.

- Framework: Laravel
- Authentication: Laravel Passport with OAuth2 for token-based security
- Authorization: Spatie Laravel Permission for granular role and permission management
- Database: MySQL, optimized with indexing and query tuning
- Features: Handles user registration, KYC verification, investment transactions, deposits, withdrawals, and account management
- Security: Encrypted data storage, CSRF protection, and input validation
- Integration: Supports secure payment gateway APIs for financial operations

SrfMart.com

SRFMart (MLM E-Commerce) — An MLM-based eCommerce platform built with Laravel and MySQL. Developed and integrated RESTful APIs to sync data between web. Implemented multi-level user hierarchy, commission tracking, product management, order processing, and payment workflows. Secured with robust authentication and role-based access control.

- Framework: Laravel
- Authentication: Laravel Passport with OAuth2 for secure token-based access.
- Authorization: Spatie Laravel Permission for role and permission management.
- Database: MySQL, optimized for multi-level user hierarchy and commission tracking.
- Features: Product management, order processing, payment workflows, multi-level commissions, and user account management.
- Security: Encrypted data storage, CSRF protection, input validation, and secure authentication.
- Integration: RESTful APIs to sync web and mobile applications.

Project Management System (Like Trello)

Developed a Laravel and MySQL-based tool for collaborative project management. Features include secure user authentication, task boards with drag-and-drop functionality, and user invitations, enabling teams to efficiently track progress and manage projects

- Framework: Laravel
- Authentication: Laravel default authintication system for secure user authentication.
- Database: MySQL for managing projects, tasks, and users.
- Features: Task boards, drag-and-drop functionality, user invitations, and collaborative project management.
- Collaboration: Enables teams to track progress, manage projects, and communicate efficiently.
- Security: Role-based access control, input validation, and secure data handling.

Ads Server — Ad Management Platform

A Laravel-based ad management system with Material Design frontend, enabling advertisers and publishers to manage ad placements efficiently.

- Framework: Laravel
- Frontend: Material Design for a smooth, modern user experience.
- Reporting: Real-time tracking of CPC, CPM, and CPD metrics.
- Authentication: Laravel default authintication system for secure user authentication.
- Database: MySQL for managing ads, campaigns, and user data.
- Features:
    - Slot booking system for ad placements.
    - Ad creation, upload, approval, scheduling, and campaign management.
    - Publisher control over available slots and ad display.
    - Advertiser dashboard for submitting and managing ads.
    - Supports multiple ad formats: banners, native ads, paid campaigns.
- Collaboration: Admins, publishers, and advertisers can efficiently manage campaigns.
- Security: Role-based access control, input validation, and secure data handling.