

# Tawsif Rahman Shopnil

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## Experience

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### Jr. Software Engineer

Mar 2024 – Present

Orange Solutions Ltd. Dhaka, Bangladesh

- Developed full-stack web applications using Laravel (9.x/10.x) for backend APIs and React for modern, interactive frontends.
- Optimized MSSQL database queries with indexing and advanced joins to enhance performance for large enterprise systems.
- Implemented authentication and security mechanisms using OAuth2 and JWT for robust user access control.
- Contributed to major projects like Courtside, MPOS Cloud, and eJOTNO across mobile and web platforms.

### Software Engineering Intern

Jan 2024 – Mar 2024

Orange Solutions Ltd. Dhaka, Bangladesh

- Built and maintained Laravel 9.x-based Admin Panel CMS for the Courtside ecosystem with React integration.
- Supported ongoing development, debugging, and optimization of Laravel applications across multiple product teams.

### Remote Full Stack Developer (Contract)

Jul 2023 – Jan 2024

Swinroll Network Technologies Co., Ltd.

- Led backend development using Laravel to build scalable RESTful APIs with OAuth2/JWT-based authentication.
- Integrated React-based frontends with backend APIs and handled version control through GitHub workflows and pull requests.

## Education

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### BSc in Computer Science and Engineering

2024

Bangladesh Army International University of Science and Technology (BAIUST)

Relevant Courses: Programming, Data Structures, Algorithms, Database Systems, Web Development

## Skills

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**Languages:** PHP (7+), JavaScript, TypeScript, SQL, Python, Dart

**Frontend Frameworks/Libraries:** React, Flutter, Vue.js

**Backend Frameworks:** Laravel (9.x/10.x), Node.js, Express

**Databases:** MSSQL (complex joins, indexing), MySQL (Eloquent ORM, complex joins), MongoDB, Firebase

**Tools:** Git (GitHub workflows, PRs, rebasing), Docker (basic), Postman, Figma, Firebase, Laravel Artisan/Tinker

**Concepts:** REST APIs, OAuth2, JWT, MVC Architecture, API Security

## Projects

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- **eJOTNO Mobile App** – Cross-platform healthcare service platform connecting users with verified third-party doctors, caregivers, and therapists. Built and deployed both iOS and Android apps using Flutter. Developed an additional service-provider app for caregivers to manage appointments, schedules, and communication.
- **Courtside Ecosystem** – Redesigned and developed the Courtside Mobile App (Flutter) for end users and POS software for in-app operations. Also developed the Courtside Admin Panel (Laravel + React) to manage users, bookings, and content with role-based access.

- **MPOS Cloud (Web POS)** – Built a full-stack Point-of-Sale web application from scratch using Laravel 10.x and React. Designed for multi-branch business environments, with real-time sales tracking, invoice generation, and stock management features.
- **MPOS (Android POS)** – Developed an Android POS app for Sunmi devices using Flutter, integrated with Laravel backend APIs to handle billing, printing, and synchronization with MPOS Cloud.
- **Board of Trade** – Designed and developed a stock market management app for security exchange companies. Built using Flutter for Android and iOS, integrated with Laravel backend for real-time data synchronization and secure transactions.
- **Amar Mahallah** – Full-stack e-commerce platform using Laravel 9.x/10.x for backend APIs and React frontend, with a companion Flutter mobile app and secure authentication workflows.
- **United Group Bill Management System** – Enterprise-scale billing platform built with Laravel 9.x and MSSQL, using optimized queries and RESTful APIs for integration with United Group's internal systems.
- **BAIUST Computer Club Website** – Laravel-based web portal for university tech club members with MySQL database, event management, and resource-sharing functionalities.

## Certifications

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- HackerRank SQL (Intermediate)
- HackerRank SQL (Basic)
- HackerRank Problem Solving (Basic)
- HackerRank Python (Basic)
- Coursera – Programming for Everybody (Python)
- Udemy – Master Laravel 10 for Beginners
- Coursera – Web Design for Everybody
- Udemy – Full Stack Web Development Bootcamp
- Udemy – Modern JavaScript (ES6+)
- Coursera – Databases and SQL for Data Science

## Leadership

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**Joint Secretary**, Computer Club, BAIUST  
**Vice President (Organizing)**, Computer Club, BAIUST

2022  
 2021–2022