

Tawsif Rahman Shopnil

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EXPERIENCE

Jr. Software Engineer

Mar 2024 – Present

Orange Solutions Ltd., Dhaka, Bangladesh

- Developed full-stack web applications using Laravel (9.x/10.x) and React with RESTful API integration.
- Enhanced MSSQL query performance through indexing, optimized joins, and targeted query tuning.
- Implemented secure authentication using OAuth2 and JWT.
- Contributed to production systems including Courtside ticketing, MPOS Cloud, and eJOTNO across mobile and web.

Software Engineering Intern

Jan 2024 – Mar 2024

Orange Solutions Ltd., Dhaka, Bangladesh

- Built and maintained a Laravel-based Admin Panel for Courtside with React integration.
- Assisted with debugging, performance optimization, and feature delivery across backend and frontend.

Jr. Software Engineer (Remote)

Jul 2023 – Jan 2024

Swinroll Network Technologies Co., Ltd.

- Developed and published Flutter and native Android applications to the Google Play Store.
- Built responsive admin panels using Laravel and React for content, user, and analytics management.
- Handled release builds, Firebase integrations, and CI/CD workflows for mobile delivery.
- Supported deployment pipelines and post-release monitoring.

EDUCATION

BSc in Computer Science and Engineering

2024

Bangladesh Army International University of Science and Technology (BAIUST)

Key Courses: Data Structures, Algorithms, Database Systems, Web Development, Software Engineering

SKILLS

Languages: PHP, JavaScript, TypeScript, SQL, Python, Dart

Frontend: React, Flutter, Vue.js

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

Databases: MSSQL, MySQL, MongoDB, Firebase

Tools: Git, Docker, Postman, Figma, Composer, NPM, Firebase

Concepts: REST APIs, OAuth2, JWT, MVC Architecture, CI/CD, API Security

PROJECTS

Courtside (United Group, United City – Madani Avenue)

Multipurpose leisure-and-entertainment venue app suite for Bangladesh. Built the *user-facing mobile app* and contributed to *POS software* enabling on-spot ticket purchases; developed the *full Admin Panel* for event, venue, and ticketing operations. Users can browse events/sports, book tickets in-app, and manage bookings; staff can sell/validate tickets at the venue via POS.

eJOTNO Mobile App

Cross-platform healthcare service connecting users with verified doctors, caregivers, and therapists. Flutter apps (Android/iOS) with secure role-based access and appointment workflows.

MPOS Cloud (Web POS)

Point-of-Sale web application using Laravel 10.x and React with real-time sales, invoicing, and stock management for multi-branch operations.

MPOS (Android POS)

Android POS for Sunmi devices (Flutter) integrated with MPOS Cloud for synchronized billing and receipt printing.

Board of Trade

Flutter-based *retail investing* app for Bangladeshi security-exchange clients (end users/stock buyers). Users view live market prices with candlestick charts, submit buy/sell requests through brokerage desks, track personal portfolios and order history, manage profiles, and maintain watchlists/notifications. (*No backend stack referenced per requirement.*)

Amar Mahallah

E-commerce platform with React + Flutter clients offering authentication, catalog, cart, and order management.

United Group Billing System

Enterprise-scale billing solution using Laravel + MSSQL with REST APIs and optimized queries.

BAIUST Computer Club Website

Laravel-based portal with MySQL for events, membership, and content.

CERTIFICATIONS

- 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

Joint Secretary, Computer Club, BAIUST

2022

Vice President (Organizing), Computer Club, BAIUST

2021–2022