

# Tawsif Rahman Shopnil

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## Objective

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Passionate Full Stack Developer with over 2 years of experience building scalable, secure, and high-performance web applications. Experienced in both frontend and backend technologies, with a focus on delivering innovative solutions using modern frameworks, databases, and development practices. Seeking opportunities to work on cutting-edge projects that combine strong backend logic and engaging frontend interfaces.

## Experience

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### Jr. Full Stack Developer

Mar 2024 – Present

Orange Solutions Ltd. (United Group), Dhaka, Bangladesh

- Developed modular full-stack web applications using Laravel (9.x/10.x) for backend APIs and Eloquent ORM, and React for dynamic frontend development.
- Optimized MSSQL database queries with complex joins, indexing, and migrations for performance improvements in United Group's Bill Management System.
- Implemented authentication and security practices using OAuth2, JWT, Laravel Passport, and Sanctum, ensuring secure user authentication.
- Utilized Redis for caching and queue management, enhancing application performance and scalability across distributed systems.
- Contributed to full-stack development of e-commerce and enterprise applications, ensuring seamless integration between frontend and backend components.

### Software Engineering Intern

Jan 2024 – Mar 2024

Orange Solutions Ltd. (United Group), Dhaka, Bangladesh

- Developed and maintained a Laravel 9.x-based Admin Panel CMS for the Courtside mobile app, integrating with React frontend and ensuring smooth API communication.
- Supported debugging and optimizing Laravel applications, adhering to PSR standards and SOLID principles for code quality.

### Remote Full Stack Developer (Contract)

Jul 2023 – Jan 2024

Swinroll Network Technologies Co., Ltd.

- Led backend development using Laravel to build RESTful APIs and integrated OAuth2 and JWT authentication protocols.
- Implemented frontend features using React and managed the integration of front-end and back-end components through APIs.
- Used Git for version control and collaborated on projects via GitHub workflows, pull requests, and rebasing.

## 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), Redis, Postman, Figma, Firebase, Laravel Artisan/Tinker/Passport/Sanctum

**Concepts:** REST APIs, OAuth2, JWT, GraphQL, SOLID principles, PSR standards, WebSockets, Web Security (OWASP)

## Projects

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- **Amar Mahallah** – Full-stack e-commerce platform developed with Laravel 9.x/10.x for backend APIs, React for the frontend, and Redis caching for enhanced performance. Includes secure authentication with Laravel Sanctum and a Flutter mobile app frontend.
- **United Group Bill Management System** – Full-stack Laravel 9.x web application, optimizing MSSQL queries and utilizing background jobs for large-scale billing processing. Built with RESTful APIs and integrated with frontend systems.
- **Courtside Admin Panel** – Full-stack CMS using Laravel 9.x for backend and React for frontend, ensuring secure user authentication, session management, and a dynamic user interface.
- **BAIUST Computer Club Website** – Designed and developed a Laravel-based portal with a MySQL database, providing club members with a range of features and integrated Git-based workflows.
- **Online Learning Platform** – Built a full-stack online learning platform with Laravel and Vue.js, integrated with Firebase for real-time notifications and a user authentication system.

## Leadership

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**Joint Secretary**, Computer Club, BAIUST

2022

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

2021–2022