



# Tahasin Islam

**Phone number:** (+880) 01780602502 (Mobile) | **Email address:** [tahasinislam.x@gmail.com](mailto:tahasinislam.x@gmail.com) |

**Website:** <https://tahasinx.github.io/> | **Github:** <https://github.com/tahasinx> | **Linkedin:**

<https://www.linkedin.com/in/tahasinx/> | **Address:** Uttara, Dhaka, Bangladesh (Home)

## ABOUT ME

Senior Full-Stack Software Engineer with 8+ years of experience designing and delivering scalable web applications, ERP/CRM platforms, and real-time systems. Strong expertise in backend architecture, modern frontend engineering, and cloud deployment. Experienced in leading technical decisions, optimizing performance, and building production-ready systems in international, remote-first environments.

## EDUCATION AND TRAINING

1 JUN 2015 – 1 OCT 2019 Dhaka, Bangladesh

**BSC IN COMPUTER SCIENCE & ENGINEERING [CSE]** National University, Bangladesh

Programming, data structures and algorithms, database management (SQL), web application development, software design and development, operating systems, computer networks, debugging, and problem-solving skills.

## WORK EXPERIENCE

**CTO & SENIOR SOFTWARE ENGINEER – TRY SOLUTIONS LLC** – 1 Oct 2020 – Current – DHAKA, BANGLADESH

**Email:** [support@trysolutions.us](mailto:support@trysolutions.us) | **Website:** <https://trysolutions.us>

- Led full-stack development of ERP, CRM, POS, and automation platforms serving **200–300 business clients**.
- Managed a **team of 5–8 developers**, overseeing frontend, backend, Graphics, QA, and DevOps workflows.
- Designed and deployed **cloud infrastructure** using AWS S3, Cloud VMs, Docker, and Linux servers.
- Designed **secure authentication** and RBAC (JWT, OAuth2, API tokens), reducing incidents by **90%**.
- Optimized MySQL/PostgreSQL databases for **high concurrency**, improving query performance by **30%**.
- Built real-time systems using WebSocket and WebRTC for **instant communication platforms**.
- Integrated **payment gateways, Twilio API, Google APIs**, and third-party enterprise services.
- Implemented **automation modules and queue workers**, reducing manual workload by **40%**.
- Established Git workflows, CI/CD pipelines, and structured development standards for distributed teams.
- Collaborated with international stakeholders to deliver scalable, production-ready solutions.

**SOFTWARE DEVELOPER – SKYNET BD** – 1 Mar 2017 – 31 Aug 2020 – DHAKA, BANGLADESH

**Email:** [admin@skynetbd.net](mailto:admin@skynetbd.net) | **Website:** <https://skynetbd.net>

- Developed and maintained **ISP billing and network management systems** serving **1500–2000 customers**.
- Collaborated with a **team of 3–5 developers** and operations staff to ensure stable deployments.
- Automated operational workflows, **reducing manual processes by 35%**.
- Built RESTful APIs, dashboards, and real-time monitoring tools for operational decision-making.
- Optimized server performance and database queries, improving application stability and response times.
- Strengthened system security through input validation, authentication controls, and role-based access policies.

**SOFTWARE DEVELOPER [FRESHER] – NEWZENTECH** – 31 Jan 2016 – 1 Feb 2017 – DHAKA, BANGLADESH

- Contributed to full-stack web application development using PHP, SQL, HTML, CSS, and JavaScript.
- Assisted in implementing **MVC architecture** for modular and maintainable applications.
- Participated in debugging, testing, and deployment cycles with **zero downtime**.
- Developed responsive UI components and reusable frontend elements.
- Gained hands-on experience with Git version control and collaborative development workflows.

## ● SKILLS

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### Core Engineering Stack

PHP (OOP, PDO) | Node.js | JavaScript (ES6+) | TypeScript | SQL

### Backend Architecture

Frameworks: Laravel, CodeIgniter, Express | Wordpress | RESTful API design | GraphQL | WebSocket systems | MVC, Repository Pattern | Modular & scalable architecture

### Frontend Engineering

Frameworks: Vue.js, Next.js | React.js | Modern CSS (SASS/SCSS), Tailwind CSS | Component-Based UI Architecture

### Data & Persistence

MySQL, PostgreSQL | MongoDB, Redis | Schema design & data modeling | Query optimization | Indexing strategies | Concurrency handling | Database Optimization

### Cloud & Infrastructure

AWS S3 | Cloud VMs | cPanel | Docker | Linux server administration | Production deployment | CI/CD workflow implementation

### Security & Reliability

JWT, OAuth2, RBAC | Secure API Design | CSRF/XSS Mitigation | Rate Limiting & Access Control

### Real-Time & Distributed Systems

WebRTC | WebSockets (Socket.io) | Event-Driven Architecture | Real-Time Communication Platforms

### Systems Integration

Payment Gateways | Google APIs | Third-Party Service Integration | Webhook & API-Oriented Systems

### System Design & Scalability

High-performance system design | Scalability & load handling | Caching strategies | Distributed system patterns

### Cross-Platform Development

Cross-platform Desktop Apps: Electron.js | Cross-platform Mobile Apps: Ionic

### Effective Bilingual Communication

Communication With Clients | Proficient in English

## ● AWARDS & RECOGNITION

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### Task Master | TRY Solution LLC

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Recognized at TRY Solutions LLC for consistently achieving 100% task success and demonstrating exceptional dedication in fulfilling responsibilities. This award celebrates outstanding performance in delivering results with precision and commitment.

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