



# Arifur Rahman

Software Engineer with 8+ years of experience designing, building, and operating scalable, secure, and high-performance software systems across backend, full-stack, and cloud environments.

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## WORK HISTORY

### Business Automation Ltd.

Software Engineer

July 2018 to Present

- Design, build, and operate scalable backend systems and API platforms for government and enterprise clients using Laravel, FastAPI, and microservices architecture.
- Architect high-traffic, high-concurrency systems with database performance optimization across MySQL and PostgreSQL.
- Develop asynchronous data pipelines using Kafka, RabbitMQ, Airflow, and NiFi.
- Collaborate with cross-functional teams to gather requirements, define software architecture, and deliver production-grade solutions aligned with SOLID principles.
- Work on cloud & DevOps workflows using AWS, Docker, Kubernetes, and CI/CD pipelines.

### Wardan Tech Ltd.

Software Developer

August 2017 to June 2018

- Designed, built, and maintained web applications using PHP (Laravel) and Python.
- Developed RESTful APIs for multi-platform integration.
- Wrote clean, high-performance, and maintainable code following industry best practices.

### eSoftArena Ltd.

Junior Software Developer

May 2017 to July 2017

- Developed, maintained, and deployed production code for client websites using HTML, CSS, Sass, JavaScript, and jQuery.
- Conducted quality assurance testing to ensure cross-browser.

## EDUCATIONAL BACKGROUND

### Master of Cyber Security

Bangladesh University of Professionals, 2024 - 2026  
CGPA - 3.67 out of 4

### Master of Business Administration (MBA)

University of Dhaka Affiliated  
Major in Finance and Banking (CGPA - 3.16 out of 4)

### IT Scholarship Programme - IsDB-BISEW

Post Graduate Diploma (PGD)  
Web Application Development with PHP and Frameworks

## SKILLS & PROFICIENCIES

**Programming Languages:** PHP, Python, SQL, JavaScript

**Libraries & Frameworks:** Laravel, Lumen, Livewire, FastAPI, Flask, React, Vue.js, Next.js, Inertia.js, Tailwind CSS, Bootstrap

**Cloud, DevOps & Databases:** AWS, Docker, Kubernetes, CI/CD, MySQL, PostgreSQL, Redis, MongoDB

**APIs & Architecture:** REST, SOAP, Microservices

**Observability & Monitoring:** Prometheus, Grafana, ELK Stack, OpenTelemetry

**Security:** Secure System Design, Cloud Security, Risk Management

## SELECTED PROJECTS

### Bangladesh Investment Development Authority (Prime Minister's Office)

*BIDA is the apex investment promotion agency of Bangladesh, offering 112 online services.*

- Integrated cross-application SSO architecture (BanglaBiz) and Apache NiFi data archiving pipelines.
- Developed and maintained a SOAP API for online transactions with Sonali Bank.
- Created a microservice using the Python Flask framework.

### Under 5 Analytics Hub (a2i – Aspire to Innovate)

*This project provides users with access to key statistics on child health and mortality (ages 0 to 5) in Bangladesh.*

- Utilized Laravel, Python libraries (NumPy & pandas), heat maps, outlier detection, extrapolation, association and correlation analysis, and Geographic Information Science (GIS) techniques.

### Smart Land Service Delivery System (Ministry of Housing and Public Works)

*Revolutionized land management by creating a digital platform that streamlines processes and enhances accessibility.*

- Enabled citizens to access land records, submit applications, and track request statuses in real-time.
- Integrated advanced technologies, including document verification, NID, and TIN verification, to ensure transparency, security, and efficiency in land transactions.
- Reduced manual paperwork, minimized errors, and accelerated the processing of land-related services.
- Built public trust with a user-friendly interface, empowering citizens to manage their land assets confidently.

### Other Projects

- National Financial Inclusion Strategy Tracker (Bangladesh Bank)
- Tour Operator and Tour Guide Management (Bangladesh Tourism Board)
- Travel Agency Management System (MoCAT)
- Central Queue Management System (Brac Bank)
- GIS Collateral Data Bank System (Banking)