



Contact

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Expertise

Programming Language

- PHP
- Javascript
- Golang
- Python

Backend

- PHP
- Laravel
- livewire
- Rest api
- Mqtt Protocol
- Web Socket
- ORM
- Unit Testing
- Pest

Frontend

- HTML
- CSS
- Bootstrap
- Tailwind
- Javascript
- React
- Vue
- Alpine
- Inertia js

Forkan Alam

Software Engineer

A passionate and self-driven individual with overall 5+ years of extensive Industrial experience participating in all phases of software development. Skilled creator of efficient code and exciting user experiences. Eager to elevate ongoing development projects or create novel software solutions geared towards driving increased usership. Possess a strong attention to detail, well-developed time management skills, and ability to complete all projects within schedule and in a timely manner. I specialize in PHP, Laravel, Javascript, React, Vue and Database design and also have adequate knowledge about Restful API, Git, Design Pattern and more.

Experience

08/2023 - Current

Brain Station 23 | Dhaka, Bangladesh

Senior Software Engineer (Grameenphone Agile Process)

- Led development of Enterprise Fixed Asset Management Application for Grameenphone (Telenor Group)
- Engineered and implemented **Capitalization, Site Sharing and Physical Asset Verification** modules
- Successfully integrated **LDAP, SFTP, and SMPP** protocols to enhance system connectivity and functionality
- Designed robust infrastructure for **microservices architecture**, ensuring scalability and flexibility
- Spearheaded the transformation of monolithic systems into **RESTful microservices**, improving system efficiency and maintainability
- Utilized cutting-edge technologies and best practices in software engineering to deliver high-quality solutions

09/2021 - 07/2023

Softwind Tech | Dhaka, Bangladesh

Software Engineer

- Analyzed and fixed software issues
- Coordinated with project managers on timelines and testing
- Conducted full lifecycle software development
- Defined features for user-friendly products and tools
- Documented technical specs and testing methods
- Collaborated with UX designers on interface development

05/2020 - 09/2021

Spinner Tech | Chattogram, Bangladesh

Web application Developer

- Designed and developed web applications and websites
- Improved site performance
- Integrated open source solutions
- Maintained existing systems
- Built e-commerce modules (wallet, cart, refund, etc.)

11/2019 - 05/2020

NXGIT soft | Chattogram, Bangladesh

Web application Developer (Intern)

- Built website content and designs using HTML, CSS, JS.
- Assisted in developing and maintaining user-friendly websites.
- Working on given daily task
- Develop Ecommerce website modules Using PHP, Laravel

Database

- Mysql
- Sqlite
- Redis

Architecture, Security and Concepts

- OOP
- MVC
- Domain Driven Development
- SOLID
- Repository Pattern
- DTO
- Inversion Of control
- Design Pattern
- Oauth
- HMAC
- SFTP

Tools

- Git
- Docker
- Postman
- Jira
- Webpack
- Vite
- Npm
- Composer
- shell

More

- Data structure and algorithm
- Problem solving
- AWS EC2
- AWS S3

Project Highlights



<https://fam.grameenphone.com>

- Key modules: Capitalization, Site Sharing, Physical Asset Verification
- Integrations: LDAP, SFTP, SMPP
- Architecture: Microservices (transformed from monolithic)
- Data handling: Processed over 1 million records
- Performance: Optimized for high-volume data management
- Focus: Scalability, efficiency, maintainability
- Approach: Cutting-edge technologies, best practices
- Impact: Significantly improved asset tracking and management at enterprise scale



<https://www.robi.com.bd>

- Developed REST and SOAP APIs for Robi project
- Integrated third-party payment API
- Implemented roaming module for international service
- Enhanced API security using HMAC and JWT
- Improved purchase journey for better user experience
- Developed redeem pack functionality for customer rewards



<https://wcit2021.org.bd>

- Developed backend for WCIT 2021 project (World Congress on Information Technology, Bangladesh)
- Created REST APIs with comprehensive documentation
- Implemented virtual stalls using WebGL for immersive experiences
- Integrated real-time chat system using MQTT over WebSocket
- Contributed to theme "ICT - The Great Equalizer" through technical implementations



<https://www.bd.airtel.com>

- Developed REST APIs for Airtel project
- Implemented comprehensive complaint management module
- Enhanced customer satisfaction through streamlined issue resolution
- Conducted thorough debugging and bug fixing to improve system stability



<https://icpcwfmandalagenerator.app>

- Developed backend for ICPC 2022 Bangladesh Logo Generator
- Created RESTful APIs for the logo generation system
- Designed and implemented dynamic logo generation algorithm
- Contributed to innovative software solution for prestigious programming competition