

# Md Nafiz Al Ifat

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## SOFTWARE ENGINEER

Full-stack developer with 7+ years of experience in building scalable applications using **Java, PHP (Laravel)**, and modern frontend tools like **Vue.js and React**. Recently completed a **Master's in Computer Science at Western University**, with intensive focus on **software architecture, design patterns**, and **UI/UX design principles**. Experienced in microservices architecture, CI/CD pipelines, Agile environments, and working in **CMMI Level 5** software delivery standards. **Currently learning AWS (EC2, S3, IAM) through guided practice and personal portfolio projects** to strengthen cloud deployment skills. Known for quickly understanding existing systems and contributing effectively to both legacy and modern codebases.

## SKILLS & KNOWLEDGE

### Languages & Backend Development

- **Expert:** PHP, CSS, HTML, jQuery
- **Advanced:** Java, JavaScript

### Frameworks & Libraries

- **Proficiency:** Vue.js, CodeIgniter, Laravel
- **Advanced:** Java Spring Boot, React.js

### Databases

- **Expert:** MySQL
- **Working Knowledge:** PostgreSQL, Redis, GraphQL

### Architecture & DevOps

- **Advanced:** REST APIs, Microservices, MVC, Service-Oriented Architecture, Scalable Systems, CI/CD Pipelines
- **Basic:** Docker, Kubernetes, Jenkins, RabbitMQ, AWS

### Cloud & Tools

- **Basic:** Git, GitHub, VS Code, XAMPP, Postman, Azure, Visual Studio, AWS(EC2, S3, IAM)

### Testing & Optimization

- **Advanced:** Unit Testing, Integration Testing, Functional Testing, Performance Testing, Debugging, Optimization

### Work Practices

- Agile (Scrum, Sprint Planning, Retrospectives), Peer Code Reviews, Cross-Functional Collaboration

### Languages

**English:** Professional Working Proficiency

## PROFESSIONAL EXPERIENCE

### Graduate Teaching Assistant

Western University, London, Ontario

January 2024–April 2025

- Supported undergraduate computer science courses with technical and instructional assistance.
- Collaborated with faculty to improve course delivery and student engagement.
- Mentored students on RESTful APIs, modular design, and testing best practices

### Software Engineer (Microfin360)

DataSoft Systems Bangladesh Limited, Dhaka, Bangladesh

January 2020–November 2023

**Projects:** *Microfin360* (microfinance web application), *Microfin360 Mobile App*, *Audit360*

- Worked in a **CMMI Level 5 environment**, following full **SDLC standards** including architecture planning, documentation, testing, and release cycles.
- **Modernized a monolithic platform** into a containerized **microservices architecture** using **Laravel** and **Spring Boot**.
- Familiar with coding standards for **security (OWASP)** and **performance optimization** in scalable systems.
- Led **CI/CD automation** with **Jenkins** and **GitHub Actions**; deployed services using **Docker**.
- Created and maintained technical docs including API specs, deployment guides, and test plans.
- Participated in Agile sprints, retrospectives, and **peer code reviews**, and supported junior developers.

PROFESSIONAL EXPERIENCE, CONTINUED

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**Software Developer**

January 2017–December 2019

DataSoft Systems Bangladesh Limited, Dhaka, Bangladesh

**Projects:** *Microfin360* (microfinance web application)

- Built backend modules using **PHP** (CodeIgniter) and optimized **SQL**; developed frontend using **CSS** and **jQuery**
- Ensured cross-browser compatibility and worked closely with front-end developers.
- Built REST APIs and frontend features with **Vue.js** and **React**, ensuring scalability and performance.
- Applied **SOLID principles** to write reusable code and component libraries for scalable development
- Managed source code with Git and coordinated in sprint-based Agile workflows.
- Followed DevOps practices for environment management and release cycles.

**Internship**

October 2016–December 2016

DataSoft Systems Bangladesh Limited, Dhaka, Bangladesh

**Projects:** *Heath Insurance software*

- Built full-stack modules using PHP and HTML
- Provided technical support and resolved product issues.

**EDUCATION**

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**Master's in Computer Science**

January 2024–April 2025

Western University, London, Ontario

Relevant courses

- Directed Study about “Developing secure APIs for CI/CD pipelines”
- Design Principles & Usability Testing
- Accessibility Evaluation & Research Planning
- Software Architecture & Agile Development

**Bachelor's Degree of Science in Software Engineering**

October 2012–December 2017

American International University- Bangladesh (AIUB), Dhaka, Bangladesh

**LICENSES & CERTIFICATIONS**

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- **Prepare Data for Exploration (XWJYUBQREMJ2)** Google Issued in March 2024
- **Ask Questions to Make Data-Driven Decisions (3SMZ8RMPVRTN)** Google Issued in June 2023
- **Foundations: Data, Data, everywhere (L9UH6GSDZXSQ)** Google Issued in January 2023

**PROJECT**

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- **Figma Project :**
  1. [Steam app Redesign](#) : [Report Link](#)
  2. [Western Student Center Course Registration Redesign](#) : [Report Link](#)
- **[Portfolio Website](#) (In Progress)**  
Developing a full-stack portfolio using Laravel and React.js with AWS S3 integration and CI/CD via GitHub Actions.  
[GitHub Repository](#)