

MAHFUZULLAH GALIB

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EXPERIENCE AS SOFTWARE ENGINEER

Software Engineer

SELISE Bangladesh Ltd

February 2026 – Ongoing MIDAS Center, Dhanmondi

C# ASP.NET Terraform PostgreSQL (AWS RDS) AWS Fargate
AWS CloudFront AWS EMC AWS Lambda ffmpeg S3

Software Engineer

Mass Data Ltd

July 2025 – January 2026 Savar DOHS, Savar

C# ASP.Net React ReactNative MSSQL SSIS Node.js

Junior Software Engineer

HeadBlocks

January 2023 – August 2024 Vision Tower, Kawran Bazar

C# ASP.Net C/C++ MISRA AUTOSAR Qt Python
ScyllaDB PostgreSQL

Java/SpringBoot Developer Intern

BRAC Net (ISP)

March 2020 – Nov 2020 16 Mohakhali C/A, Dhaka-1212

Java SpringBoot PostgreSQL Vaadin

EXPERIENCE AS TEAMLEAD/PROJECT MANAGER

IT Teamlead / IT Generalist

Noakhali Rural Development Society (NGO)

Feb 2022 – Dec 2022 Majidee, Noakhali

Flutter Firebase R Dart GCP PostgreSQL Samba
Nextcloud

PROJECTS

Backend app API for Library Management app  
GitHub

- A Go Fiber-based API for managing a library system to manage books categorized by authors and to track borrowings

PRIMARY STRENGTHS

C/C++ Rust C# Java Kotlin Go
JavaScript Typescript Python MATLAB

ASP.Net EF Core/LINQ SignalR DotNet Aspire
SpringBoot Spring Data Spring WebSockets

MQTT RabbitMQ RFID BLE LoRaWAN

SECONDARY STRENGTHS

Qt GTK React React Native

MongoDB Neo4j PostgreSQL MinIO

Git GitHub Actions AWS GCP

REST API GraphQL gRPC JWT Swagger/OpenAPI

EDUCATION

Bachelor of Science in Information
and Communication Engineering

Noakhali Science and Technology University

Jan 2017 – Apr 2023

- Thesis: *Sunderbans From Sky: A Remote Sensing Based Study On Mangrove Loss and Its Co-relation With Human Activity In The Area*

TRAINING

Data Science and Machine Learning
Mastery Short Course

EDGE Program, IIT, Dhaka University

June 2023 – Dec 2023

CERTIFICATIONS

FPGA Design for Embedded Systems
Specialization

Coursera | University of Colorado Boulder

OPENSOURCE CONTRIBUTIONS

PR #137061 on   rust-lang/rust

Go Fiber Framework JWT Authentication GORM

ECommerce App with PayPal and Stripe Integration in Ruby on Rails GitHub

- A simple ruby on rails ecommerce site with blogs using spree engine and alchemy CMS gem

Ruby on Rails ERB Spree Alchemy CMS Server Side Rendering

bitly like URL shortener using SQLite and Ruby Sinatra GitHub

- A simple Sinatra URL shortener app compatible with both puma and rack

Ruby Sinatra ERB Moneta SQLite

Backend app API Bkash like banking app GitHub

- A backend API for a Bkash-like banking app built with Golang
- Gin framework
- JWT authentication
- and GORM for database interaction

Go Gin Framework JWT Authentication GORM

IOT PROJECTS

- Line Follower Robot with Arduino
- LoRa Firealarm System Demo
- Simulated Smart Microgrid System consisting of multiple ESP8266-based Smart Home Systems with Intelligent Demand Response
- ESP8266-based Smart Home System using NodeMCU
- Library RFID inventory System Demo
- Computer Vision-based Natural Language Scene Description System with Raspberry Pi Camera

REFERENCE

Dr. Md. Ashikur Rahman Khan

Professor, Noakhali Science and Technology University

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 ashik@nstu.edu.bd

- Finalized Rust's asynchronous programming model by stabilizing 'async/await', 'Future', and 'Promise' implementations in accordance with RFC 2394 thus bringing Rust's async ecosystem to full stability.

Rust Async/Await Future API Promise
Stabilization Language Design RFC 2394

PR #4521 on dotnet/fsharp/

- Refactored the AST by removing compile directives and rewriting nullness check around .NET 9 language design philosophy around type polymorphism.

F# Null Safety Refactoring .NET 9
Type Polymorphism Abstract Syntax Tree

Pull

Request #2170 on rpm-software-management/dnf

- Updated the rst file and make files to distinguish the DNF4 repository from DNF5 thus clearing confusion from CI/CD and documentation.

RST Package Manager Clarification
Build Pipeline Makefile

Pull Request #1054 on activist-org/activist

- Updated Vue.js UI component and Django back-end to align with AGPL and Creative Commons license as per advice of legal team.

JavaScript Python Vue.js Django
Legal/Licensing

PR

#4521 on dotnet/fsharp/

- MaybeNull Shim wrapper round nullness syntax removed from console.fs and refactored

Interpreter Design F# Null Safety
Refactoring Maintainability Enhancement