

# Md Mehedi Hasan

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## PROFILE

I am an experienced tech lead with over 10 years of experience in full-stack software development. I have developed a strong understanding of software and ERP implementation, and I'm passionate about delivering high-quality, high-impact technology solutions. I excel at collaborating with stakeholders to identify user needs, design roadmaps, and manage projects.

## EXPERIENCE

### Solutions Engineer

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March. 2023 – Present

Dhaka, Bangladesh

- Gathering early non-functional requirements and evaluating functional requirements captured by a business analyst
- Evaluating functional requirements captured by a business analyst
- Designing a high-level architect and choosing the right technology stack and deployment methods with estimating development time
- **Skills:** Python, PostgreSQL, Odoo, Django, Docker, Ubuntu, Jenkins, Kubernetes, Project Management, Project Estimation, Client Management, BRS, SRS, Time Management, Strategic Planning

### Principal Software Engineer

Genweb2 Limited

April. 2021 – Feb. 2023

Dhaka, Bangladesh

- Design application architecture for software and deployment
- Manage team for proper project delivery
- **Skills:** Python, Odoo, PostgreSQL, Redhat, DB Clustering, Docker, High Available, Project Management, Client Management, BRS, Team Management, Strategic Planning

### Senior Software Engineer

Genweb2 Limited

March 2019 – March 2021

Dhaka, Bangladesh

- Design highly available architecture and deploy ERP application on that architecture.
- Design, develop, and implement a financial application for a local banking system with TCS core banking integration.
- **Skills:** Python, Odoo, PostgreSQL, Ubuntu, Docker, Git, Jenkins, BRS, Team Management, Time Management, Scrum

### Software Engineer

Genweb2 Limited

July 2016 – Feb. 2019

Dhaka, Bangladesh

- Implement ERP application for the garments industry with procurement, sales, and purchase modules.
- Design, develop, and deploy applications for several business domains.
- **Skills:** Python, Odoo, PostgreSQL, Ubuntu, Nginx

### Junior Software Engineer

Genweb2 Limited

July 2012 – June 2016

Dhaka, Bangladesh

- Implement online music listening application using PHP, MySQL, JQuery, Cache for international client
- Prepare SRS documentation for defense organization
- **Skills:** PHP, MySQL, Symphony, ZF1, ZF2, Caching, JQuery, Ubuntu

## PROJECTS

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### Hospital Management System

- Design scalable hospital management system with microservice
- Serve service to a large user group based on service demand
- Stack: Python, Django, Django Rest Framework, REST, React, PostgreSQL, Docker, Kubernetes, Documentation

### General Ledger For Core Banking

- Developed Accounting, Purchase, TPM, Rental Agreement, Fixed Asset Management for banking user
- Design and develop high available backend server architecture in on-premise
- Ensure support to application user with ensuring future development

### Edward M. Kennedy Center ERP Management

- Developed Sales, Purchase, Event Management, Appointment Booking, Accounting, and HR Management modules for ERP application
- Skills: Python, Odoo, Nginx, PostgreSQL, Linux

### Samuda Chemical Limited ERP Management

- Developed Sales, Purchase, HR Management, Procurement, Salary Generation, Attendance Management, and Accounting modules for ERP application
- Skills: Python, Odoo, Nginx, PostgreSQL, Linux, AWS

### Pebbles ERP Management and Lakhsma ERP Management

- Built an ERP application for manufacturing units
- Built an Odoo application with Sales, Purchase, and Point of Sales business functionality which covers online and offline sales features
- Skills: Python, Odoo, Nginx, PostgreSQL, Ubuntu

### Ration, POL Management for Bangladesh Army

- Automate functional features for Ration distribution, Petrol, oil, and lubricants departments using PHP, MySQL, Ubuntu, and JQuery

### Indishuffle Online Music

- Online Music Listening application for large-scale user group using PHP, MySQL, Linux, Cache, JavaScript, JQuery

## EDUCATION

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### M.Sc in Information and Communication Engineering

Islamic University, Bangladesh

2010 – 2011

Dhaka, Bangladesh

### B.Sc in Information and Communication Engineering

Islamic University, Bangladesh

2006 – 2010

Dhaka, Bangladesh

## SKILLS

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**Language :** Python, Odoo, Flask, Django, Django (DRF), JavaScript, React, Backbone, PHP, Kafka, RabbitMQ, RestAPI, Shell

**Server :** Docker, Docker Composer, Kubernetes, Ubuntu, Redhat, AWS, High-Availability, Nginx, Load Balancer

**Database:** PostgreSQL, MySQL, Redis, PostgreSQL Clustering

**Tools:** Scrum, Git, Github, Gitlab, Jira, PyCharm, Jenkins, ElasticSearch, Kibana, LogStash

## CERTIFICATIONS

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### **Certified Kubernetes Administrator (CKA)**

*By Cloud Native Computing Foundation*

August, 2020

Certificate ID: LF-n525ephyjj

### **Certified Kubernetes Application Developer (CKAD)**

*By Cloud Native Computing Foundation*

February, 2021

Certificate ID: LF-kaleuahyc3

### **Certified ScrumMaster (CSM)**

*By Scrum Alliance*

December, 2022

Certificate ID: 001454993