

Mostafa Safwat Hussain

Full Stack Developer



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Summary

A highly motivated and results-oriented **MEAN Stack** developer with 2+ years of experience in cloud-native application development. Passionate about continuous learning and proven in delivering innovative solutions while exceeding client expectations. Adept at working in team environments, contributing effectively to collaborative projects. Ready to leverage expertise in **Node.js**, **Express**, **Angular**, and **MongoDB** to build next-generation web applications in a growth-oriented company.

Experience

MEAN Stack Developer at Contellect

September 2022 - Present

- Developed cloud-native ECM (Enterprise Content Management) applications with microservices using **ActiveMQ** and HTTP requests for inter-service communication.
- Gained hands-on experience with **CI/CD tools** (Jenkins), **Redis caching**, and message queueing systems (**ActiveMQ**, **RabbitMQ**).
- Integrated with **Camunda 8.5** to automate business processes, handle process instances, jobs, and more via Zeebe client libraries.
- Created **BPMN** and **DMN** templates to support dynamic workflow creation and interaction within the application.
- Camunda Zeebe ActiveMQ Exporter**: Designed and implemented a custom exporter for Zeebe to publish workflow execution events to ActiveMQ. This allowed the team to seamlessly integrate Zeebe with messaging queues, ensuring real-time updates and communication between services.
- Zeebe User Task Integration**: Created custom Zeebe user tasks to integrate with Form.io, enabling dynamic, user-interactive forms to be rendered as part of the task workflow.
- Custom Element Templates**: Created custom element templates to integrate Contellect connectors, ensuring that the frontend components were reusable, maintainable, and easy to extend.
- Form Handling**: Integrated Form.io to generate and render forms for Zeebe user tasks dynamically. Ensured smooth interaction between the backend and frontend, with the capability for users to complete tasks directly in the interface.
- bpmn Modular UI**: Developed a modular, highly interactive frontend using **pReact** (a lightweight React alternative) to provide seamless user interaction and manage dynamic task details for Zeebe workflows.
- Developed a **dynamic workspace** powered by **Camunda-8** where actions trigger workflows like approval processes and file format transformations.
- Implemented **Permission Control** with **Keycloak** to manage user roles, permissions, and security protocols.
- Enhanced system performance through **connection pooling**, optimized database connections, and caching techniques.
- Improved **code quality** by migrating from JS to **TypeScript**, creating reusable packages, and writing unit tests.
- Developed **bulk operations** for actions such as file deletion, copy, and move for batch processes.
- Redesigned the **UI** to make it responsive and modern, while also resolving bugs to enhance performance.

.NET Core Developer at Ztechx

April 2022 - June 2022

- Contributed to **.NET Core development**, creating APIs and developing with **Blazor**, **Razor Pages**, **Xamarin**, and **EF Core**.
- Participated in both the front-end and back-end development of **Xamarin** apps and web dashboards.

Education

Fayoum University, Faculty of Computers and Information

Bachelor's Degree in Computer Science

GPA: Very Good

September 2016 - May 2020

Skills

Programming & Development

- MEAN Stack**: Node.js, Express.js, MongoDB, Angular, React
- .NET**: ASP.NET Core, C#, Xamarin, Blazor, EF Core
- Web Development**: HTML, CSS, jQuery, XML, Bootstrap
- Artificial Intelligence**: Deep Learning, Machine Learning, Neural Networks, Python
- Databases**: MongoDB, PostgreSQL, MSSQL, SQLite
- Problem Solving**: Algorithms, OOP, Data Structures, C++, Java
- Version Control**: Git, GitHub, SVN

Tools & Platforms

- Cloud & DevOps**: Cloud-Native Apps, CI/CD, Jenkins, Docker, Kubernetes
- Soft Skills**: Teamwork, Time Management, Leadership, Creativity, Attention to Detail, Adaptability
- Design**: Photoshop, Illustrator

Languages

- Arabic**: Native or Bilingual Proficiency

- **English:** Full Professional Proficiency

Projects

Handwritten Equation Solver (Graduation Project)

October 11, 2020

Developed a **Handwritten Equation Solver** that allows users to type or draw math expressions and automatically evaluates them. The project supports camera inputs, drawing, and basic calculation functionalities.

Technologies Used: Python, ML, Dart

Certifications

- **Cloud Application Development Foundations** – IBM (Sep 2022)
 - [Link to Certificate](#)
- **Developing Cloud Apps with Node.js and React** (Sep 2022)
 - [Link to Certificate](#)
- **Developing Cloud Native Applications** (Sep 2022)
 - [Link to Certificate](#)
- **Web Development with HTML, CSS, JavaScript Essentials** (Aug 2022)
 - [Link to Certificate](#)
- **Introduction to Cloud Computing** (Jan 2022)
 - [Link to Certificate](#)
- **Structuring Machine Learning Projects** – DeepLearning.AI (Sep 2022)
 - [Link to Certificate](#)
- **MongoDB Basics** – MongoDB University (Aug 2022)
 - [Link to Certificate](#)
- **Improving Deep Neural Networks: Hyperparameter Tuning, Regularization, and Optimization** – DeepLearning.AI (Feb 2022)
 - [Link to Certificate](#)
- **English for Career Development** – University of Pennsylvania (Nov 2020)
 - [Link to Certificate](#)
- **Neural Networks and Deep Learning** – deeplearning.ai (Oct 2020)
 - [Link to Certificate](#)
- **Machine Learning** – Stanford Online (Oct 2020)
 - [Link to Certificate](#)
- **Problem Solving (Basic)** – HackerRank (Oct 2020)
 - [Link to Certificate](#)

Skills

MEAN Stack

Node.js Express.js MongoDB Angular React

Web Development

HTML CSS jQuery XML Bootstrap

Soft Skills

Teamwork Time Management Leadership Creativity Attention to Detail Adaptability

.NET Development

ASP.NET Core C# Xamarin Blazor EF Core

Spring Framework

Maven Java

Artificial Intelligence & Machine Learning

Deep Learning Machine Learning (ML) Neural Networks Python

Databases

MongoDB PostgreSQL Redis MS SQL SQLite

Programming

Algorithms OOP (Object-Oriented Programming) Data Structures C++ Java

Version Control

Git GitHub Bitbucket SVN

Other Skills

Cloud-Native Apps DevOps Linux Minio PBMN DMN