Muhamad (Mumin) Rahman

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LinkedIn | GitHub | Portfolio

Professional Profile

I'm a passionate software developer with experience in web development, back-end programming, and AI. I am currently completing a part-time master's in Artificial Intelligence and working towards becoming a full-stack developer. I thrive on solving problems, building creative solutions, and collaborating with others to deliver impactful applications. Adaptable, curious, and always eager to learn; I'm ready to take on new challenges.

Programming Languages & Skills

Languages: Python, JavaScript, Java, PHP, SQL, C and C++.

Skills: Agile methodology, Laravel, Angular, Vue 2, Vue 3, Bootstrap 4, Bootstrap 5, Node JS and AWS.

Experience

Crown Gas & Power – Bury, Manchester   Oct 2023 – Oct 2024
Software Developer

Responsible for the development of their in-house web applications running on Laravel, Vue and jQuery which are hosted internally. Maintained the application using sprints and bugs fix requests.

Key Responsibilities:
- Using PHP, VUE 2, VUE 3, JQUERY, Bootstrap 4, Bootstrap 5, to develop and maintain the web applications.
- Used teams to maintain contact throughout the business and conduct meetings.
- Enforcing proper version controlling using GitHub.

Carbon Co-op – Ancoats, Manchester   Aug 2022 – July 2023
Full-stack Developer (contract)

Responsible for the development of their open source PowerShaper tracker which allows a CALTRACK implementation to allow easy energy baselining for domestic buildings across the UK. Which means energy consumption on electrical data and gas data can be calculated.

Key Responsibilities:
- Using Python, AWS, and Django, I created an open-source web application to allow users to calculate their energy consumption usage. This was done using Raspberry Pi machines, public geocode weather APIs and the CALCRACK methodology.
- Complete git issues created in weekly sprint using an agile methodology, including git and version controlling in an AGILE based team.
- Lead developer of the project, in charge of creating the web app, bug fixes as well as enforcing version controlling using Git.

WaiterPlus LTD – Oldham, Manchester   Nov 2019 – Feb 2021
Software Developer

Responsible for maintaining the front-end interface using Angular and APIs. Also, tested the software for bugs and applied fixes where needed.

Key Responsibilities:
- Find any potential bugs on developing websites and errors in coding, which helped improve understanding in the code and identifying problems and coming up with creative solutions to resolve them.
- Have built a foundation of knowledge website coding with PHP and JavaScript, whilst also understanding code errors and finding the reasons they occur as well as solutions to the problems.
- Mainly focused on using HTML, CSS and JavaScript mainly Angular.

Personal Projects
- I have developed and currently maintaining a web application through the use Laravel API and Vue.js called MyTvCast.com for business to easily display and manage their digital signage.
- Currently developing an online web-booker and portal for gym management and appointment using Laravel and React Native.
- Designing a Python-based trading bot to integrate with my machine learning stock predictor, leveraging demo accounts for testing.

Education
Manchester Metropolitan University, 2024 - Present
MA Artificial Intelligence.

Manchester Metropolitan University, 2019–2022
BSc Software Engineering, Grade: 2:1
- Enterprise Programming: Using C# created a web app connected to google firebase to create a movie search engine.
- Professional development: as a group assignment, I took the lead to create a functioning discord bot using JS, I had created the skeleton code and maintained contact with the other developers to make sure version controlling, as well as, keeping code up to date.
- Artificial Intelligence: developed a machine learning bot to sample and predict future outcomes of data on the forex market.

References
Ahad Miah – Director, WaiterPlus LTD
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John Ascroft – Lead Developer, Crown Gas & Power
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