Muhamad (Mumin) Rahman | Software Engineer

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Professional profile

I am a software developer who has currently started part time masters in A.I and would love to work and recently reached the end of my current working contract and am now looking to improve my skills further. I am aiming to become a full stack developer. I would describe myself as: a problem solver, committed and creative.

Education

2024–2026, Manchester Metropolitan University
MA Artificial Intelligence.

2019–2022, Manchester Metropolitan University
BSc Software Engineering: 2:1 (67&).
Modules:
Web Design and Development. Grade: 90%.
- Develop a web application with PHP, MVC and JavaScript framework.

Professional Development. Grade: 72%.
- Work as part of team to collaborate on and produce a functional Bot using node JS and sqlite3 making use of JavaScript coding and database systems.
- Made use of GitHub for version control and for a correct collaboration workflow.

Information System. Grade: 65%.
- Group project where I was tasked to analyse a real-world scenario and designing a system to deal with it.

Introduction to Web Design and Development. Grade: 83%.
- Develop a small website, import a video and create video playback controls using JavaScript and HTML5's video API.
- Work in MySQL/PHP using a portable web server to create a Credit card validation application.

Enterprise Programming. Expected: 65.
- demonstrate that i know how to deploy a web service in several ways and that I can return data from a service in a variety of data 4 formats and make use of cloud services to deploy apps.
- I will be developing a series of classes, which will effectively my own API, to offer a web service. Meaning my software can be used by other programmers and can be used for machine-to-machine communication.

Links
LinkedIn:
https://www.linkedin.com/in/muhamad-rahman-a759861b4/
GitHub:
https://github.com/MuminRahman2001
Portfolio:
https://muhamadrahman.netlify.app/.

Programming Languages
Python *good knowledge*
JavaScript *good knowledge*
Java *Good Knowledge*
PHP *Good Knowledge*

Tools
GitHub
Visual Studio Code
NodeJS
Bootstrap
Vue (react)
Vue (Vite)
Anaconda
Django
AWS
Laravel 5.5
Laravel 10

Advanced Web Development. 76%
- Worked in a team as a team leader to organise meetings and deadlines to follow to create a REACT website using VUE 3 JS.
- Made time to help other teammates where necessary and use proper version control using GitHub.
- Created a Database using google firebase and used correct APIs to connect securely.
- Gave a group presentation to show the features of our web application and answered questions with improvement in mind.

Final Year Project. 65%
- Created a machine learning bot using python to predict outcomes of future stock market prices.
- Used a REST API to gather the data.
- Created a Dataset using NUMPY.
- Created a written report of 8,000 words to explain what the project is about, describe the methodologies used and explain the outcomes and results.

2017-2019, Oldham Sixth Form College
- BTEC Science (DM)
- A-Level Mathematics (D)

2016-2017, Royton and Crompton School
- 7 GCSEs GRADE A – C Including Mathematics, Triple Science and English.

Previous work experience

October 2023 – October 2024 **Crown Gas & Power**

Outline

Employed as a Junior 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 through the use of 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.

August 2022 – July 2023 (1 year contract) **Carbon Coop**

Outline

Employed as a Software Engineer 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, Django, AWS created a fully functional webapp that allows users to calculate their energy consumption usage using smart meters created using raspberry pis and public geocode weather (RESTful) APIs to calculate accurate results using CALTRACK methodology.
- Complete git issues created in weekly sprint using an agile methodology, including git and version controlling in an AGILE based team.
- Created user interfaces with the help of bootstrap.
- Head developer In charge of fixing errors and bugs and implementing new features for the web application whilst enforcing proper version controlling.

Nov 2019 – Feb 2021   **WaiterPlus ltd**

Outline
Worked as a part time tester/programmer as part of my freelance career.
Mainly focusing on web testing for potential bugs.
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 react.

Volunteer experience

July 2017 – 3-week course   **National Citizen Service (NCS)**

3-week course of volunteering with local charities.
- First two weeks consisted of doing various activities such as hikes in teams as well as supporting each other on wall climbing, this had helped build teamwork and trust.
- In the third and final week we were tasked with creating a charity event for a local charity, teamwork, time management and general social skills were strongly exercised and were worked on when creating the charitable events.
- We had also worked on presentation skills when marketing for the charity event.

Additional
I have created different yet simple websites where I have learnt the types of coding such as JavaScript and Python, as well as using numerous website building tutorials on YouTube whilst also keeping active by doing numerous sports.

Current Projects
I am currently building a Laravel Lumen web service using PHP and JavaScript. This webservice will be an MVVC based full stack web application framework with a server-to-server based operation.

Planned Projects
I have planned to create a trading bot using python to assist the machine learning bot I have created to make trades once the outcomes have been predicted. This will be tested using demo accounts.