James Mahoney

Software Engineer

Address: Cahir, Co. Tipperary
Telephone: 087-7173710
E-mail: mahoneyjames67@gmail.com
LinkedIn: www.linkedin.com/in/mahoney0101
Github: https://github.com/Mahoney0101

Educational Details:
Munster Technological University:
M.Sc. Software Architecture and Design (First Class Honours)
- Awarded Academic Excellence Award for outstanding performance in the program.
B.Sc. (Hons) Computing with Software Development (First Class Honours)

May 20 - Present
Software Engineer
Continuum Commerce Solutions
As a Software Engineer at Continuum Commerce Solutions, I focus on developing high-quality .NET applications and delivering innovative solutions to meet complex business needs. My role encompasses a range of responsibilities, including feature development, API integration, and ensuring application scalability through containerization with Docker and AWS services.

Recent highlights of my contributions include:

- Product Owner and lead developer for a web-based tool using .NET 9 and Blazor, integrating CQRS, Mediator, and Clean Architecture patterns for scalability and maintainability.
- Implemented caching mechanisms that improved performance metrics, including reducing database fetches by 300,000 per day and cutting GC metrics by 50%.
- Transitioned multiple applications to a serverless architecture using AWS Lambda, significantly reducing costs and improving scalability.
- Integrated Static Application Security Testing (SAST) and Static Code Analysis into CI/CD pipelines to enhance security and code quality.

Technologies used in this role include .NET, Docker, K6, RabbitMQ, GitLab, Wazuh, Grafana, PowerShell, AWS Console, SSMS, MongoDB, Postman, Visual Studio, and VS Code.

Jan 20 - April 20
Software Developer Intern
Continuum Commerce Solutions
Worked in a software development role for a work placement module in third year of studies. Developed a time management system web application using React.js for the frontend, ASP.Net for the back-end and PostgreSQL for the database. The System was designed to be used by employees to log hours worked on certain tasks for project management. There was also a feature to generate reports for analysis to be used for Project Management purposes.

References available upon request.