

Grady R. McDowell

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Versatile Software Developer with experience in ERP system enhancements and process automation. Proven ability to implement innovative solutions, optimize operations, and contribute to the development of high-quality software. Skilled in C#, PowerAutomate, SQL, and Python, with a strong foundation in problem-solving and a track record of improving system performance and efficiency.

Education

B.S. in Computer Science with 3.4 GPA, Stevens Institute of Technology, Hoboken, NJ

Technical Skills

Advanced: C#, SQL, Epicor, Python, Java, JavaScript, PHP, C/C++, Git, Shell scripting

Intermediate: OCaml, Erlang, R, MatLab, KVM, Go

Work Experience

Associate Software Developer, PNY Technologies, Inc., Parsippany-Troy Hills, NJ 03/2023 - Present

- Collaborated in upgrading the Epicor ERP system from version 10 to 11, focusing on implementing new features and resolving bugs, enhancing system efficiency and user experience.
- Spearheaded the contract manufacturer receipt generation project for the Taiwan department, automating the creation and posting of receipts in the ERP system, which saved 10 working days per month.
- Developed a solution to automatically place sales orders on hold if the price is below a specified gross profit percentage, ensuring profitability across product families.
- Innovated a method for re-applying receipts between in-transit inventory across US, France, and Taiwan locations, solving the issue of disappearing receipts and improving inventory management.
- Facilitated inventory consolidation between the France and US departments using C# and PowerAutomate, streamlining inventory processes and enhancing operational efficiency.
- Addressed and resolved 114 tickets requiring custom code, demonstrating versatility and technical proficiency in problem-solving.
- Pioneered the introduction of PowerAutomate for various integration projects, and utilized C# for custom code/DLLs in Epicor, SQL for database operations, and Python for script development, contributing to significant process improvements.
- Discovered and implemented a technique for faster code building from home through our VPN, reducing build times from over an hour to approximately 5 minutes for a full build of our C# solution, markedly increasing productivity.

Full Stack Development Intern, UpperLevel CRM, Remote 07/2022-11/2022

- Wrote missing unit tests for core components of a CRM software, following test-driven development practices.
- Achieved 100% coverage for assigned modules using creative problem solving techniques.
- Fixed various bugs and unexpected behavior encountered in code while writing tests.

Senior Design Project, LifeSkillsSoftware, Hoboken NJ 09/2021-06/2022

- Developed a consent-focused dating simulator video game to help students with special needs migrate the dating world healthily and respectfully.
- Led and delegated team in developing the application.

Construction Worker, High and Dry House Raising, Manasquan NJ 03/2022-06/2022

- Developed resilience working in challenging physical environment, helping move heavy items in raising a house for flood protection.
- Worked with others on job site effectively with communication being essential.