Hermann I McEnhill

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A creative-minded software engineer with a talent for visualizing and building solutions. Brings unique perspectives and ideas to projects. Thrives in high paced environments with unique challenges while always maintaining a steadfast commitment to quality and ethics.

TECHNICAL SKILLS

- C#
- ASP.NET CORE
- JavaScript (Node)
- Unity
- Git
- SQL
- OOP
- Agile (XP)
- CI/CD (Circle)

TECHNICAL EXPERIENCE

Co-Founder / Lead Programmer   October 2020 – February 2022
      Unnamed Video Game Studio Startup, Remote

- Technology: Unity, C#, Pixel Art, Collaborate / Github / PlasticSCM
- Designed and coded core architecture and systems implementation and integration.
- Worked in partnership with Co-Founder on all aspects of game design including game loop, player motivations, and storytelling with particular emphasis on integration with the core systems.
- Key features: Inventory and Crafting, Nuanced combat with detailed swordplay mechanics, procedurally generated maze-like dungeons, state-driven character AI.

Associate Software Engineer   October 2019 – October 2020
      Quicken Loans (now Rocket Mortgage), Detroit, Michigan

- Technology: C#, Agile, CircleCI, Github
- Member of the Rocket Mortgage App client qualification dev team.
- Developed endpoint which received client profile information and mortgage options as inputs and served a collection of required supporting documents which would need to be collected to meet those mortgage requirements if not already present.
- Participated in code reviews and write unit tests.

Product Configuration Analyst / Material Planner   December 2016 – October 2019
      Roush Industries, Livonia, Michigan

- Created and maintained production schedule including entering sales orders, forecasts, or direct production orders, as applicable using the PeopleSoft ERP system.
- Managed change control process to smoothly manage production changes.
- Tracked and managed potential material shortages and planned materials runout at production completion.

OTHER PROFESSIONAL EXPERIENCE

Entrepreneurship   December 2010 – December 2016

- Subscription service with monthly product delivery.
  - Designed and developed a business which had a great opportunity in a unique market.
  - Led product development. Designed and crafted prototype samples using production-ready equipment.
  - Developed plan for procurement, production, packaging, and freight.
- Craft Brewery Business

- Designed and developed a business plan for a light-industrial business which would craft products for both on-site and wholesale sales.
- Refined the process for creating a high quality product with a unique brand.
- Designed and built the prototype factory where the product would be made. This prototype factory was designed to scale as accurately as possible to a full-scale production facility while meeting the needs of a proof-of-concept soft launch.

Functional Consultant   October 2007 – December 2010
        SAP, Philadelphia, PA & Independent

● Technology: SAP-proprietary Enterprise solution
● Certified in Sales and Distribution module (2008)
● Worked on-site and in partnership with clients to collect business requirements and preferences.
● Configured the SAP-proprietary software as closely as possible to the requirement where possible.
    ○ Where gaps existed, the client was consulted about potential process adjustments which would leverage the existing technology proven in the industry.
    ○ As a last resort, requirements were gathered into technical specifications and provided to developers to create custom functionality.
● Project completed successfully and ahead of schedule.
● Trained client-side employees to manage, maintain, and improve the installation going forward.

Project Engineer & Project Coordinator   July 2005 – October 2007
        Roush Industries, Livonia, Michigan

EDUCATION

University of Michigan, Ann Arbor, Michigan   September 1998 - April 2003
        College of Engineering, Mechanical Engineering, Masters
● Concentrated studies in Thermodynamics, Controls, and Engines.
● Related studies in Design for Environment, Design for Manufacturing, Statistical Process Control, Heat Transfer, Fluid Dynamics, Materials, Statistics, and Dynamics and Vibration.
● Activities and societies: Society of Automotive Engineers (SAE), Order of the Engineer

CERTIFICATIONS
Grand Circus .NET C# Bootcamp Detroit, MI   April 2019 – September 2019

CURIOS

Author

● Completed 400-page novel set in an original tech-fantasy world of magic and machinery.
    ○ At least three sequels are planned.
● Outline set for cosmic horror novel set in a post-apocalyptic world.

Musician

● Classically trained tenor.
● Piano.