**Ryan M. Rickgauer**

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**www.RyanRickgauer.com**

**PROFESSIONAL EXPERIENCE**

**Premier International, Chicago, IL *June 2020–Present***

**Software Engineer III**

* Created a central communication service in C++, enabling smooth two-way interaction between managed C# apps and native COBOL systems.
* Implemented a personalized form validation service within WPF applications, speeding up development and setting a strong base for future projects.
* Designed and executed novel database schemas for a new application feature within our existing RDBMS, employing meticulous normalization techniques, expertly crafted views, and stored procedures to enhance data integrity and retrieval efficiency.

**Software Engineer II**

* Utilized dependency injection in existing software to decrease coupling between classes and their dependencies
* Implemented multi-threading solutions for our consulting applications which improved runtime performance
* Designed and built a multi-process message queue service using IPC
* Introduced domain driven design systems to improve maintainability in the future
* Modernized our front-end application from VB6 to WPF

**Software Engineer I**

* Designed and implemented an ODBC database connection manager in C++
* Converted multiple Intel Assembler pieces into C++
* Participated in multiple scrum sprint and epic tasks planning using Jira
* Created a new automated test stage for our CI/CD pipeline using python

**PROJECT EXPERIENCE**

**What’s Mine Is Yours *March 2021–Present***

* Co-founded an online vacation rental marketplace
* Designed and developed modern full stack technology solutions for the platform
* Architected a restful back-end API using flask allowing future migrations of the web-based UI to other platforms
* Deployed and configured the application to run on a Linux VPS

**EDUCATION AND HONORS**

**Bachelor of Science, Computer Science (May 2020)**

Northern Illinois University, DeKalb, IL

**SKILLS**

**Languages**: C++, C#, Python, SQL, COBOL, HTML/CSS, JavaScript.

**Frameworks/Libraries**: .NET Core, .NET Framework, C++/CLI, STL, Boost, Flask, Win32, DevExpress, WPF,

**Tools/Technologies**: Git, Jira, GitHub, Visual Studio, Teams Foundation Server, Confluence.