

# Will Graham

612-327-5165 | willgraham1000@gmail.com

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An accomplished application, database and infrastructure designer and developer. Extensive experience in the full lifecycle of the software development process including architecture, estimation, development, testing, deployment and support. Solid written and verbal communication skills. Excited about learning new technologies and skills.

## Highlights

- 20+ years of experience in all aspects of the software design and development process including, requirements gathering, technology evaluation and selection, prototyping, high-level and detailed code design, implementation, code reviews, quality assurance, deployment, post-deployment support and ongoing maintenance.
- Strong experience in C# and other development technologies.
- Ability to quickly learn and adapt to new technologies.
- Passion for problem solving and seeing through the solution all the way to implementation.
- Experience leading small teams and supervising and mentoring junior developers.

## Technical Skills

- .NET: C#, WebAPI / REST, Kafka, Entity Framework, Unit testing.
- Microsoft Azure: Service Bus, App Service Plans, Azure Functions, Logic Apps.
- Other Development Technologies: Java, TypeScript.
- CI/CD: GitHub, Azure DevOps.
- Database: Azure and standard SQL Server, Oracle, T/SQL, PL/SQL.
- Web: Blazor.
- Past experience with: Kubernetes, Docker, Angular.

## Certifications

- Microsoft Azure Fundamentals (AZ-900)

## Experience

### **Full Stack Developer | Summit Companies | Mendota Heights, MN May 2024 - Present**

Design, implement and maintain system integrations and internal UI applications. Systems are deployed to Microsoft Azure and use the full stack of Azure technologies such as SQL, Azure functions, logic apps, key vaults, etc.

- Dependable integrations that pull and synthesize data from multiple source systems and interface with business-critical partners.
- Bespoke data-entry UI applications that enable efficiency in business processes.
- Maintain a large application built by an outside vendor. Improving code for security, reliability, performance and maintainability.

**Technologies Used:** .NET, Azure, SQL Server, Blazor, Azure DevOps, Claude Code.

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## **Senior Software Engineer | Wells Fargo Bank | Minneapolis, MN May 2023 - May 2024**

Designed and implemented microservices for automation of risk management policy logic.

**Technologies Used:** C#/.NET, WebAPI / REST, Mongo DB

## **Principal Software Engineer | Home Point Financial | Minneapolis, MN 2014 - April 2023**

### **Principal Software Engineer**

Integral part of a team that designed, implemented and maintains a microservices-based system for quickly storing, retrieving and reacting to mortgage loan data using Kafka messaging as the backbone.

Enables the business to instantly know about and react to changing data.

- Implemented microservices using C#, Java and Typescript.
- Designed and implemented common libraries for interacting with Kafka topics.
- Designed and implemented a system integrating with ICE AIQ for caching, indexing and making available millions of mortgage documents instantly to internal applications.
- Built CI/CD pipelines to deploy services to both Kubernetes with Docker and Azure App Service plans.

**Technologies Used:** C#/.NET, Java, NodeJS/Typescript, Kafka, GraphQL, WebAPI / REST, Entity Framework, Azure App Services, Docker, Kubernetes, ICE AIQ, ICE Encompass

### **Development Lead and Team Manager**

Managed a small development team.

- Designed and implemented an ecosystem of applications to support and simplify mortgage processing.
  - An Angular 4 application to facilitate comparison of data across documents and systems. Saves the business from hours of “stare and compare” for each mortgage loan.
  - Windows services that provide 24/7 background processing of mortgage documents and other data.
  - Design and implementation of RESTful APIs to expose services from third-party applications in a one-stop shop for other internal systems.
  - An AngularJS application data entry application.
- Setup continuous integration for code repositories using Git, TeamCity and Octopus Deploy.
- Worked closely with junior developers to ensure quality of code and to help them grow and improve.

**Technologies Used:** C#, Angular 4, Azure SQL Server, Azure Service Bus, Windows Services, REST, TeamCity, Octopus, JSON, XML.

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## **Senior Application Systems Engineer | Wells Fargo Bank | Minneapolis, MN 2002 - 2014**

Held leadership and development roles on a number of teams and projects within the Wells Fargo Foreign Exchange Systems group.

### **Development lead and team manager**

Primarily responsible for a transaction workflow engine that processed 15,000 transactions per day.

- Designed a major architectural update to enhance scalability, performance and disaster recovery capabilities.
- Supervised three junior developers.
- Designed and led implementation of a regression testing framework that greatly reduced testing time and enhanced reliability and maintainability of an old code base.
- Designed and led implementation of ongoing system enhancements to support a growing business and increasing regulatory requirements.

### **Technologies Used:**

- C#/.NET, WCF and ASMX web services, Oracle database and PL/SQL, Websphere MQ.

### **Design and development co-lead**

Designed, implemented and maintained systems providing transaction entry and workflow screens, static data maintenance, web services, inventory management, daily batch and reporting capabilities.

- Worked with business partners on interpreting and finalizing business requirements.
- Designed systems and wrote code.
- Managed the work of junior developers.
- Conducted code reviews.
- Interviewed and selected development contractors.
- Focused on improving application performance, including tuning SQL and stored procedures and JVM memory settings.
- Documented technical designs for use by developers, testers and management.

### **Technologies Used:**

- Java, including EJBs, Spring Beans and Hibernate, Adobe Flex, SQL Server database and T-SQL, Weblogic, XML web services.

**Development and design lead** for team working on architecture, design, implementation, testing and support for a transaction workflow engine and associated web services.

- Worked with business partners on finalizing and interpreting business requirements.
- Designed systems, wrote code and directed the work of junior developers.
- Conducted code reviews.

### **Technologies Used:**

- C#/.NET, XML schemas, Oracle database and PL/SQL, Websphere MQ.

### **Developer**

Part of a team that designed, developed and supported customer facing applications with high daily transactional volumes and dollar value.

- Worked with business partners on finalizing and interpreting business requirements.
- Designed systems and wrote code.

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## Education

M.S. Software Engineering | University of St. Thomas | St. Paul, MN

Graduated with honors

B.S. Electrical Engineering | Michigan Technological University | Houghton,

MI

Graduated with honors