

Matt Bolles

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San Francisco, CA

Experience

Software Developer II

Sep 2021 – Present

HealthStream

San Francisco, CA

- Worked as lead developer on team dedicated to building new version of data automation engine powering company's main healthcare administration software used by 1000+ healthcare institutions
- Led design, development, and deployment of new version of key user data loading feature using Redis and Azure DevOps, resulting in an average 50% speed increase and 30% server load reduction across millions of transactions per hour
- Integrated AI into daily development workflow using Cursor's plan and agent modes: planned and architected solutions before implementation, then reviewed and revised AI-generated code, tests, and documentation to meet team standards
- Built custom rules, context files, and prompt setups tailored to the codebase's conventions so AI output stayed accurate and consistent for the rest of the team
- Used AI to gain deeper understanding of unfamiliar parts of the codebase, database schema, and product logic, track down related code spread across the system, and weigh technical approaches before committing to a design
- Refactored and reworked large parts of existing C# back-end code to improve performance and streamline future development work
- Implemented new AngularJS front-end UI with a modern design on a granular basis, allowing clients to provide feedback and access older versions of areas as needed, preventing service interruption
- Created, modified, and streamlined complex SQL Server queries and transactions to improve server performance and reduce server costs and load
- Ensured backwards compatibility of new data automation engine version via careful design, extensive unit testing, and clear procedures to migrate to new version
- Repaired critical time-sensitive bugs and issues, including ones preventing or delaying software releases, and deployed hot-fixes as needed
- Mentored and assisted interns and new developers with onboarding, reviewing their work, and understanding the product
- Regularly collaborated and communicated with members of development, product, QA, management, and executive teams to gather and clarify product requirements and ensure quality standards were fulfilled
- Ensured compliance with HIPAA and other applicable regulations during development to prevent liability issues and protect company, client, and patient privacy

Skills and Tools

Languages: C#, JavaScript, SQL Server/T-SQL, HTML, CSS

Frameworks/Libraries: .NET Core, .NET MVC, AngularJS, React, KendoUI, Bootstrap, jQuery UI

Developer Tools/Technologies: Redis, Azure DevOps, Git, SSMS, Visual Studio Professional

AI Development Tools: Cursor, Claude

Education

San Francisco State University

BS in Computer Science

Aug 2017 - May 2021

San Francisco, CA