James Williams

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About

A senior developer with a decade of experiece building out an enterprise-scale CRM system on a classic Microsoft stack while tackling issues like data modeling, reliability, customizability, and performance

Interested in building new products on up-and-coming technologies, exploring advancements in user interface programming and design, and pursuing excellence while surrounded by a passionate team

Key Skills

- .Net — C#, VB.Net, Task Parallel Library, Async/Await
- Microsoft SQL Server — performance tuning, advanced T-SQL, schema design
- Javascript, jQuery, AJAX
- Objective-C, Cocoa, AppKit, UIKit

Work History

Blackbaud, Inc.

Staff Software Engineer
June 2005 — Present

HIGHLIGHTS

Dev lead on the Enterprise Platform Team for an Enterprise CRM solution

Made many performance improvements and feature enhancements to a powerful ad-hoc query engine

Diagnosed and resolved numerous production issues which could not be reproduced locally

Re-wrote legacy threaded code to use best practices, maintain process consistency, and support cancellation with no disruption to existing client code

Wrote automated tests for critical infrastructure pieces including the platform's security module, query engine accuracy, and long-running multi-threaded processes

Added dozens of features and resolved hundreds of bugs in legacy areas of the system

Side Projects

A website for organizing a book club — built on Ruby and Sinatra using Amazon Web Services and Redis for data storage

Mac and iOS apps for generating secure, memorable passwords — built in Objective-C and Swift

A "branded" website for displaying photos and albums from a 3rd-party photo hosting service — built in PHP with the SmugMug API for data storage

This resume was written using the Handlebars template library, SCSS, and *no jQuery*

Education

Clemson University

August 2001 — May 2005

‣ BS in Computer Science
‣ Minor in Mathematics

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