

DAVID OWENS II

Software Engineer

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ABOUT ME

I build software that runs on Apple platforms because it's the only platform out there that strives to care about the things I care about: seeking excellence in execution. As engineers, we don't always hit the mark. Nonetheless, it is the pursuit that drives us, that demands us, to continue to improve. This is one of the reasons I do what I do, and it is a key reason to why I blog at <https://owensd.io>: doing my part to help others seek that same excellence.

WORK EXPERIENCE

12

2005 - PRESENT @ **MICROSOFT**

SENIOR SOFTWARE ENGINEER - OFFICE FOR MAC

[C](#), [C++](#), [Objective-C](#), [Python](#), [Xcode](#)

- Implemented new UI for iOS, improved accessibility, increased performance, fixed rendering pipeline issues, and root-caused high-profile, crashing bugs.
- Designed and implement new and better ways to test our software in a cross-platform way.
- Consolidated our cross-platform code by reducing redundancy and to increasing code quality.

SOFTWARE ENGINEER - BROWSER TOOLS

[JavaScript](#), [C#](#), [Visual Studio](#)

- Ensured compliance in our JavaScript runtime engine within Internet Explorer.
- Validated and developed of the early versions of WinJS.
- Created JavaScript application templates for Visual Studio for Windows 8 tooling.
- Delivered //build/ conference talk detailing getting started with JavaScript applications.

SOFTWARE ENGINEER - DEVELOPER DIVISION

[C#](#), [Visual Studio](#)

- Designed new test verification system which allowed test cases to implicitly verify actions (patented).
- Developed automation libraries leveraged by our test team.
- Owned the performance testing and infrastructure for the WPF visual designer in Visual Studio.

EXTERNAL PROJECTS

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2013 - PRESENT @ **TWO-MINUTE WARNING**

KID'S CHECKIN SYSTEM - BLUE SKY CHURCH/VISTA CHURCH

[C](#), [Objective-C](#), [JavaScript](#), [Xcode](#)

- AWS-backed, multi-iOS device setup with separate parent self-check-in iPad kiosks, teacher, host, and admin modes.
- Sticker and receipt printed via connected DYMO printers.
- Provides real-time child enrollment tracking and parent paging system via SMS.

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2015 - PRESENT @ **OPEN SOURCE PROJECTS**

JSON-SWIFT, VSCODE-SWIFT, VSCODE-LSP, VSCODE-LANGSRV

[Swift](#), [JavaScript](#), [VS Code](#), [Xcode](#)

- An RFC 7159 compliant JSON parser, written in Swift.
- Visual Studio Code language support for Swift, with experimental Linux and Windows support.
- Swift implementation of Microsoft's Language Server Protocol for Swift-native tool development.