

Jake Aufderheide

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GitHub: github.com/jakeaufderheide

Portfolio: jakeaufderheide.github.io

>LANGUAGES AND TECHNOLOGIES

- **Proficient:** C#, Java, Xamarin, Android SDK, Android Layouts, Android Animations, iOS SDK, iOS Storyboards, iOS NIBs, CoreGraphics, CoreAnimation, Lottie, ASP.NET Web Services, SQL, Python, Git, Scrum
 - **Exposure:** Kotlin, Xamarin Forms, WPF, Objective-C, JavaScript, C++, HTML, CSS, Razor, DevExpress, Proto.io
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>PROFESSIONAL EXPERIENCE

Airline Choice | Mobile Software Engineer | Schaumburg, IL

Jun 2015 - Present

- Designed and implemented mobile check-in wizard using C#, Xamarin Native, and ASP.NET RESTful Web Services, reducing check-in times for customers by 50%.
- Collaborated with aviation client to gather requirements and build cross-platform Android and iOS app in C#, Proto.io, Xamarin Native, and SQL, published on [App Store](#) and [Play Store](#) with 500+ airline employee users.
- Built Android app on scanner device to track real time baggage locations for airline passengers using Xamarin Android, C#, and ASP.NET RESTful Web Services, published on [Play Store](#) and tracking 10,000+ bags monthly.
- Created mobile interface for Airline Choice users to manage and track flights using Xamarin Native, C#, and ASP.NET RESTful Web Services used by 500+ airline employees and published to [App Store](#).
- Rearchitected Airline Choice mobile with presentation layer to abstract out user interface behavior, allowing for 90% code sharing between iOS and Android apps.
- Designed airline kiosk concept application with WPF and C#, expanding existing customer interest in kiosk offerings and ultimately gaining 100,000+ kiosk users per month.
- Built web portal for tracking current flights and alerts for airline customers and support staff using JavaScript, Bootstrap, Razor Pages, ASP.NET, and C#.
- Automated generation of customer billing documents through crafting GUI to query customer SQL Server databases for accounting using C#, WPF, and SQL, saving management 100+ work hours per year.
- Planned iterative improvements and project estimates in an Agile environment using Axosoft and Jira.

Rainbow Resource Center | Manager, Purchasing Department | Toulon, IL

Oct 2012 - Jun 2015

- Managed team of 8 workers and created Excel macro to support them through automated purchasing emails using VBA, saving 2000+ worker hours per year.
 - Created macro to speed up capture of pricing on competitor websites for comparison in VBA and Autohotkey, leading to 200% increase in prices captured per work day.
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>EDUCATION

M.S. Computer Science (3.97 GPA), North Central College

Jun 2017

B.A. Economics and Marketing, North Central College

Mar 2010

>PROJECT WORK

Habit Tracking App | Mobile Software Developer | [code](#)

2017

Habit tracking application to motivate users to develop and maintain habits.

- Engineered application using Xamarin and C# to demonstrate advantages of cross-platform technologies to build mobile applications.
 - Created backend using ASP.NET Web services in C# and MySQL Database hosted on Microsoft Azure.
 - Architected using Clean Code guidelines, achieving 100% sharing of business and presentation code between Android and iOS, with native user interfaces and performance.
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>ACTIVITIES

Jiu jitsu

Event invitation designer and creator