

# Jake Aufderheide

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**LinkedIn:** [linkedin.com/in/jakeaufderheide](https://www.linkedin.com/in/jakeaufderheide)

**GitHub:** [github.com/jakeaufderheide](https://github.com/jakeaufderheide)

**Portfolio:** [jakeaufderheide.github.io](https://jakeaufderheide.github.io)

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## >LANGUAGES AND TECHNOLOGIES

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

### Airline Choice | Software Engineer | Schaumburg, IL

JUN 2014 - PRESENT

- Designed and implemented mobile check-in wizard using Xamarin Native, C#, and ASP.NET RESTful Web Services, reducing check-in times for customers by 50%
- Worked with aviation client to gather requirements and build cross-platform mobile application from ground up using Proto.io, Photoshop, Xamarin Native, C#, ASP.NET RESTful Web Services, and SQL Server that is published on App Store ([apps.apple.com/us/app/timatic-mobile/id1436329904](https://apps.apple.com/us/app/timatic-mobile/id1436329904)) and Play Store ([play.google.com/store/apps/details?id=com.iata.timaticmobile](https://play.google.com/store/apps/details?id=com.iata.timaticmobile)), which is used by 500+ airline employees
- Built Android application on scanner device to track real time baggage locations for airline passengers using Xamarin Android, C#, and ASP.NET RESTful Web Services that is published on the Play Store ([play.google.com/store/apps/details?id=com.airlinechoice.brs](https://play.google.com/store/apps/details?id=com.airlinechoice.brs)) to track 10,000+ bags per month
- Created mobile interface for Airline Choice users to manage and track flights using Xamarin Native, C#, and ASP.NET RESTful Web Services that is published on the App Store ([apps.apple.com/us/app/airline-choice/id1155162969](https://apps.apple.com/us/app/airline-choice/id1155162969)) and used by 500+ airline employees
- Rearchitected Airline Choice mobile with presentation layer to abstract out user interface behavior, allowing for 90% code sharing between iOS and Android
- Designed airline kiosk concept application with WPF and C#, expanding existing customer interest in kiosk offerings and ultimately 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#
- Planned iterative improvements and project estimates in an Agile environment, using Axosoft and Jira
- Automated generation of customer billing documents by building GUI to query customer SQL Server databases for accounting using C#, WPF, SQL, saving management 100+ work hours per year

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

OCT 2012 - JUN 2015

- Created Excel macro to automate purchasing emails for team of 8 that I was managing in 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 / Marketing, North Central College**

MAR 2010

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## >PROJECT WORK

### Habit Tracking App | Full Stack App Developer | [Code](#)

2017

*Habit tracking application built for M.S. Computer Science*

- Application was build using Xamarin and C# to demonstrate the advantages of using cross-platform technologies to build mobile applications. Backend was build behind ASP.NET Web services in C# and a MySQL Database hosted on Azure. Architected using Clean Code guidelines, achieving 100% sharing of business and presentation code between Android and iOS, with native user interfaces and performance.