Matt Hoffman

Software Engineer

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Programming Languages

Proficient With:
C#, JavaScript, HTML, CSS, SASS, SQL

Experience With:
Java, VB.NET, LESS

Experimented With:
Clojure, Scala, Objective C, Erlang, Elixir, Haskell

Technologies and Tools

Certifications:
Xamarin Certified Mobile Developer (2016, 2017, 2018)

Proficient With:
Visual Studio Code, Xamarin Studio, Android, iOS, Entity Framework, ReactJS, Redux, Jest, webpack, Xamarin Forms, MVVMCross, SQL Server, Visual Studio, SQL Server Management Studio, Vim, Git, Prism for WPF, Sequel Pro

Experience With:
npm, RethinkDb, Visual Studio App Center, Node.js, HockeyApp, React Native, Sequelizer, DynamoDB, ASP.NET MVC, Web API, WPF, Chrome Developer Tools, Redis, Azure, jQuery, lodash, Prism for Xamarin Forms

Experience

2016–2018 **Multi-system Developer**, *Seamgen*.

- Onsite Printing Application for Comic-Con International (WPF and Node.js Developer)
  - Developed many features on WPF front-end and Node.js back-end
  - Increased performance of long-running endpoint by 50%
  - Improved project architecture to reduce complexity and increase maintainability
  - Created SQL queries to report on daily activity
  - Helped other developers improve their knowledge of the latest C# features
- Medical Testing Web Application (Sole Developer)
  - Researched and evaluated frameworks and libraries
  - Implemented web application using ReactJS, Redux, webpack
  - Created and maintained unit tests using Jest
  - Handled deployment to various environments
  - Communicated with client and API developers to coordinate requirements and API method signatures
  - Maintained and updated library dependencies

- Convention On-Site Purchase Windows Application (Developer)
  - Brought on to project as emergency support to meet deadlines
  - Quickly ramped up on technologies and existing code
  - Implemented and styled new screens
  - Identified and fixed application-wide bugs
- Pharmacy Locater Mobile Application (Lead Android Developer)
  - Primary Android developer on MVVMCross based project
  - Helped train Java Android developer on C# and Xamarin tools
  - Created C# Android bindings for SWRVE SDK
  - Utilized SqlCipher and Xamarin.Auth to encrypt and protect local data
  - Developed feature to dynamically change theme to use colors provided by server
- Miscellaneous
  - Rapidly learned the basics of React Native for a potential client project
  - Presented React and Redux to other developers as part of continuous learning

2016–Present **Cross Platform Developer**, *Miscelanous Projects*.

- Learn With Me (in development)
  - Sole developer on Xamarin Forms application for iPhone, iPad, Android phones, and Chromebook
  - Worked directly with client to create project requirements
  - Advised client on Android and iOS standards and practices
  - Researched and recommended technologies for server logic and database
  - Advised on deployment options for both application and back-end
- Wide World Calendar
  - Envisioned and Developed iOS and Android application using Xamarin Forms
  - Designed the initial user interface
  - Worked directly with designer to improve user interface
  - Updated application for compatibility with latest OS versions
  - Distributed to beta testers and used feedback to improve application

2014–2018 **Co-Founder**, *Fudist, LLC*.

- Primary developer of Android and iOS mobile clients
- Designed and developed major new feature to recommend meals to users
- Developed and enhanced server-side C# code
- Improved performance of back end code and database
- Evaluated technologies to use in both the mobile and server applications
- Interviewed customers to determine what enhancements were needed
- Designed UI for new screens for both the mobile application and the Fudist website
- Integrated with Apple, Google, and Stripe to create a subscription system
- Envisioned and developed Make Me Move application (Android and iOS)

2016–2016 **Lead Android Developer / Trainer**, *Essen BioScience*.

- Sole developer of custom Android app for the control module on a cell analysis device
- Solved performance issues with Android on BeagleBone Black board
- Enhanced application colors and image assets to have better contrast on target screen
- Cooked customized Android ROM based on 4.4.4 (KitKat)
- Designed and led training for other developers in Android and basic iOS development

2015–2016 **Tech Lead / Developer**, *Seamgen*.

- Took over Tech Lead position on legacy replacement project
- Managed Code Reviews, Deployments and Version control
- Developed key features for two legacy replacement projects
- Created detailed plan to combine two websites into a single, unified system
- Communicated with business users to get clarifications about desired functionality
- Managed time zone differences while working with a team across the country

2008–2014 **Senior Consultant**, *X by 2, Inc.*, Farmington Hills, MI.

- Financial Management System Upgrade (Team Lead / Architect)
    - Played key leadership role in replacing a financial services company's primary internal software with a custom application built on a Durandal front end and .NET back end.
    - Worked with other architects and team leads to design and implement a module-by-module replacement of the old system.
    - Created prototypes and initial versions of major architectural components, including message queue communication between different applications and integration of the new and old systems.
    - Profiled and improved memory usage and speed of key application components.
    - Mentored and reviewed code for junior developers.
- Health Insurance Data Warehouse (Developer)
    - Worked on several data import, export and reporting integrations.
    - Performance tuned long-running SQL queries.
    - Helped create a system to automate database and ETL deployment to testing and production servers using Red Gate APIs and custom C# code.
    - Mentored junior developers and interns.
- Web Application Developer (Developer / Client Contact)
    - Maintained and improved web applications for several clients in various technologies including: C#, VB.NET, Classic ASP, HTML, Javascript and Sql.
    - Identified and corrected performance and scalability bottlenecks.
- Internal Roles at X by 2 (Developer / Administrator)
    - Initiated and led monthly event for developers to explore new technologies without pressure from deadlines or client expectations.
    - Developed and maintained a new vacation, travel and incentive tracking application.
    - Created an application using SignalR and Redis which allowed employees to suggest and vote on places to go for lunch.

Open Source Contributions

WCF Binary-Encoded Message Inspector.

- Enhanced the add-on to allow developers to edit and resend binary-encoded messages
- Add-on is featured on the Fiddler add-ons page

SWRevealViewController-XamarinBinding.

- Upgraded Xamarin binding for SWRevealViewController, making it compatible with 64 bit processors

Education

2004–2008 **BS, Computer Science Engineering**, *University of Michigan*.