John Wolf

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SageStorm Software, LLC, Owner and Contracted Software Development Services Provider

DAQRI, Software R&D Engineer - LA, CA/Christchurch, NZ/Boise, ID   **October 2014-July 2017**

- Member of the inner circle of ARToolKit SDK open source development team.
- Achieved many ports of augmented reality (AR) apps and SDK to latest Windows (8.1-10) Desktop, Windows (8.1-10) Store SDK (phone and tablet - Surface Pro), Unity3d game engine - multiple platforms, macOS, iOS, Ubuntu Linux and Android.
- Conducted and coordinated port of large iOS Unity app to Windows 8.1 and Android (scheduling, task break-down and assignment).
- Troubleshooted and triaged issues, blocking staff and the Internet developer community, and published solutions and workarounds. Resolved all Coverity C/C++ and C# (.NET and Unity3d Mono Scripting) static analysis issues.
- Significant role in the replacement of the Qualcomm Vuforia AR image recognition and tracking SDK with the ARToolKit SDK.
- Ramped up quickly on CMake and ported CMake projects to Windows 10 platform and SDK.
- Authored internal/online documentation posted to github and SDK community website,
- Languages: C (C99) and C++11 (all OSs), C++/CX (WRL), C++/WinRT (new Windows APIs), Mono (Unity3d Scripting) C#, Objective-C (iOS), Java (Android), Gradle, Bash.
- IDEs: Visual Studio 2017, Visual Studio Code, Android Studio, Xcode, Eclipse

SimplyLEDs - Boise, ID   **October 2014-June 2017**

- Architect and project manager resulting in a proprietary, patent pending system and highly praised by client.
- Lead ground up design of Geographical Information Systems (GIS) web app, targeting the mobile viewport.
- Investigated technologies - chosen for project: OpenLayers3-4, Angular 4, jQuery, Node.js, Bootstrap CSS, Heroku PaaS.
- Successfully integrated 3rd party RESTful video analytics APIs.

Drake Cooper Internet Marketing, Web App Software Developer - Boise, ID   **September 2014-January 2015**

- Successfully refactored, added enhancements and defect resolution of huge existing websites. Websites based on ASP.NET, C#, and Internet Information Services (IIS) - using Model View Controller (MVC) and Model View ViewModel (MVVM).
- Development platform expert: Windows 8.1, git, BitBucket.com repository.
- Applied Agile process with daily sprint status stand-ups.

Declara, Mobile App Team, Software Developer, Boise, ID   June 2014-Sept 2014

- Mobile platforms development: Android dev using Android Studio in Java and iOS dev using Xcode in Objective-C
- Ramped quickly using macOs/MacBook Pro development platform involving git, BitBucket.com repository, Keynote animation.
- Source of product ideas and inspiration from nothing.
- Technologies ramped to: git using Git Flow integration process, PhoneGap (Cordova), AngularJS, Node.js, RestKit, Ruby, Python, Django, Cucumber, Sinatra, Calabash, Couchbase, Celery, Gradle, Groovy, Jenkins, Maven, CocoaPods, (blah…)
- Applied Agile process with daily sprint status stand-ups, git-flow.

Hewlett-Packard, Firmware/Software R&D Engineer – Cupertino, CA and Boise, ID   Jan 1989-June 2014

Value Enterprise Products (VEP), LaserJet and Enterprise Solutions (LES), Core Firmware Lab (CFL)

- Distinguished technical leadership, innovative solutions implementing large embedded system using primarily .NET C#.
- Embedded networking expert: coded network stack, SMTP, FTP, sockets, SSL, RESTful APIs, Windows APIs and device drivers.
- Microsoft Systems and Security expert: ActiveDirectory, Exchange, DFS, IIS.
- Implemented authentication (Sign-In) agents for embedded SMTP and Folder share.
- Sought after by internal and end-customers for troubleshooting and technical consultation. Traveled to customer hot sites and escalations to diagnose elusive product failures.
- Development platform expert: Windows 7, embedded XP and CE. Staff's git, .NET PInvoke and Coverity C/C++ expert.

Certifications

- **Microsoft Certified Professional (MCP), Systems Engineer (MCSE), Systems Administrator (MCSA)**
- **CompTIA Security+ Certified (Security+)**

Education

Master of Science Degree in Computer Science, Cal Poly State Univ., San Luis Obispo, CA   **December 1988**

Emphasis in Advanced Studies of Object Oriented Programming Languages

Bachelor of Science Degree in Economics, Cal Poly State Univ., San Luis Obispo, CA   **August 1984**

Emphasis in Econometrics (Business and Quantitative Economic Analysis)

Associate of Science Degree in Information Systems, Santa Barbara City College, Santa Barbara, CA   **August 1985**