

# Wade Johnson

SENIOR SOFTWARE DEVELOPER

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*"The best way to predict the future is to invent it. - Alan Kay"*

## Summary

I am a dedicated, hard-working, team-oriented Senior Software Developer with years of industry experience designing, building, and enhancing software applications written in various languages. I enjoy refactoring and modernizing legacy code to a state where it can bring the most value. I love continuous integration and optimized developer workflows.

## Skills

<b>General</b>	Software Architecture, Build and Deployment Pipelines, Modernizing Legacy Software, Technical Writing
<b>Languages</b>	Javascript/Typescript, C#, Go, Rust, Python, Shell
<b>Web</b>	HTML, CSS, React, Angular, ASP.NET WebForms, NodeJS, KnockoutJS
<b>Databases</b>	Firestore, PostgreSQL, MySQL, MSSQL, Redis, Neo4J
<b>Mobile</b>	React Native, Android
<b>Build</b>	Github Actions, Jenkins, Gitlab
<b>OS</b>	Windows, Mac, Linux

## Work Experience

### AAA Internet Publishing Inc. (DBA WTFast)

Kelowna, BC. Canada

SENIOR SOFTWARE DEVELOPER

Sept. 2019 - Jan. 2024

- Designed and implemented foundational network and project structure in Google Cloud using Terraform.
- Maintained Windows Client build system on Jenkins.
- Designed new Windows Client build system on Github Actions.
- Created a custom deployment system for the Windows Client VueJs application.
- Introduced and deployed a Prometheus metrics monitoring solution.
- Created Github Actions deployment pipeline for building software for routers.
- Deployed a Go proxy (Athens) that was critical to transitioning the company to Github.
- Maintained custom Go OAuth2 server.
- Create SAML token verification server for an important partner.
- Created a server based oauth2 client authentication system for a partner.
- Created Go authentication middleware that which allowed the the elimination of Cloud Endpoints.
- Ported embedded browser from CefSharp to WebView2 browser engines.
- Ported gRPC server to ConnectRPC so web clients could be used.
- Created a websocket server to push client device authorizations.
- Created an example nDPI packet dissector.

### Atomic 47 Labs

Kelowna, BC. Canada

SOFTWARE ARCHITECT

Aug. 2018 - Oct. 2019

- Designed high level deployment architecture to optimize cost on Amazon Web Services.
- Designed a Discord chat bot implemented with Node.js and Dokku.
- Mentored junior developers in technical architecture and problem solving.
- Performed Operations tasks such as OS platform, networking, and DNS Management.

## **Maplecake Software Corp. (Contr. for Do Some Good Community Contribution Company Inc.)**

*Kelowna, BC. Canada*

FOUNDER / SENIOR SOFTWARE DEVELOPER

*Oct. 2017 - Aug. 2018*

- Implemented features and bug fixes for a React web application and React native mobile app.
- Implemented compiler (lexer and parser) for custom markup language used in posting.

## **Maplecake Software Corp. (Contr. for Das Reboot Services Inc.)**

*Kelowna, BC. Canada*

FOUNDER / SENIOR SOFTWARE DEVELOPER

*Jan. 2015 - Aug. 2017*

- Performed upgrade from TFS (Team Foundation Server) 2012 to 2015.
- Performed upgrade for application reports to ActiveReports 10.
- Managed TLS certificate procurement and installation.
- Corrected out of memory issue that caused slow application startup time.
- Corrected Lucene indexing issues with the ERP ServiceCentre application.
- Corrected issues and added features for the Equipment Quoting application used nationwide in Canada.
- Added TransUnion Credit Reporting service into ERP (DealerLink) Credit Application.
- Refactored deployment tool (SyncInfo).
- Corrected bugs and added features to internal ERP applications.
- Started documentation project for ERP DealerLink Installation.
- Wrote FSharp application to remove weblogs periodically.

## **Maplecake Software Corp. (Contr. for TheDrillBook Inc.)**

*Calgary, AB. Canada*

FOUNDER / SENIOR SOFTWARE DEVELOPER

*Dec. 2013 - Nov. 2015*

- Added features and bug fixes to the primary web application for teaching hockey.
- Implemented an email processing system.
- Introduced Jira issue tracking software to the company and designed a custom development workflow for tracking ticket completion.
- Introduced Jenkins build server for building mobile applications.
- Mentored and trained QA and junior developers.
- Introduced HockeyApp for implementing a beta test program for the mobile application.

## **Maplecake Software Corp. (Contr. for Sunexo Solutions, Inc.)**

*Calgary, AB. Canada*

FOUNDER / SENIOR SYSTEM ADMINISTRATOR

*Dec. 2013 - Nov. 2014*

- Managed deployment of the company application IRIS.
- Deployed SQL Server schema changes to support IRIS.
- Deployed Tableau workbooks to application server.

## **Big Bear Software Inc.**

*Penticton, BC. Canada*

SOFTWARE DEVELOPER

*Jul. 2013 - Oct. 2013*

- Performed bug fixes on web application for Sprockets manufacturer.
- Worked on team to implement an Oil and Gas pilot project.

## **Kelowna FlightCraft**

*Kelowna, BC. Canada*

PROGRAMMER/ANALYST

*Jan. 2013 - Jul. 2013*

- Maintained Lawson M3 plugins that automate workflows.
- Maintained QlikView documents for business intelligence.

## **Sonic Solutions, Rovi Corp., Corel Corp.**

*Santa Clara, CA. USA*

WEB DEVELOPER

*Jan. 2010 - Jan. 2013*

- Implemented Jenkins based deployment system for WebCore projects.
- Migrated Roxio project for Pinnacle Systems marketing website to .NET 4.0.
- Designed and implemented a marketing campaign email system.
- Designed and implemented a purchase system used by the Sales team to distribute not for resale licenses.
- Implemented a new XML format for the Roxio Product Registration web service that added new messaging and localization.
- Designed and implemented an AJAX enabled press syndication page.
- Implemented device search and registration page for Retrospect integration.
- Implemented video playback for RoxioNow division.
- Implemented Purchase Validation Proxy Web Service.

## **Bookette Software Company Inc.**

*Monterey, CA. USA*

SOFTWARE DEVELOPER

*Jan. 2008 - Dec. 2009*

- Developed a component that gathered language statistics for neural net scoring.
- Designed and implemented REST-based web services that supported a single page web application providing English language feedback (tutoring) and scoring.
- Designed and implemented a continuous integration server to build software.
- Implemented web-based drill-down reports for Benchmark Tracker.

## **Graniterock Company**

*Watsonville, CA. USA*

SOFTWARE DEVELOPER

*Jun. 2007 - Dec. 2007*

- Created and maintained build scripts for Visual Studio Team System.
- Implemented and deployed a document management system to track customer receipts.

## **AMERISAFE, Inc.**

*Deridder, LA. USA*

BUSINESS ANALYST, ANALYST / PROGRAMMER III

*Dec. 2001 - Jun. 2007*

- Designed and implemented a digital dashboard application.
- Maintained the primary OLAP analysis application.
- Developed a custom alerting system for emailing reports.
- Lead a team that designed and implemented an performance sensitive application that transferred claims documents to a processing company.
- Implemented customization scripts for document scanning and indexing for the Vignette document management system.
- Designed and implemented a system to make the custom ERP (ICAMS) scalable to hundreds of users using the embedded Foxpro database.

## **Education**

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### **Northwestern State University**

*Natchitoches, LA, USA*

B.S. IN COMPUTER INFORMATION SYSTEMS AND BUSINESS ADMINISTRATION

*Aug. 1997 - Dec. 2001*