**Aris Green**

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Software application development and DevOps, experienced in open source and Microsoft technologies. Application development, build, and packaging expertise. Server setup and deployment on Linux and Windows servers.

### Skills

*DevOps / SysOps* Azure, GitHub, Terraform, PagerDuty, Grafana Cloud

*HTTP Backend* .NET 9, Node, Aiohttp, Flask, Rails 4, Ghost

*Database* SQL Server 2019, Oracle 19c, MariaDB, EF Core 8

*Front End Web* React, Material UI, Bootstrap, Angular

*App Framework* Microsoft .NET, ASP.NET, Jetpack Compose, WPF, Qt5 (C++), C++ Win32 GUI

*CI & Build* GitHub Actions, GitLab Pipelines, Jenkins, Nexus, Artifactory Pro, Gradle, CMake, MSBuild

*VM / Orchestration* Kubernetes, Podman, Docker, Ansible, Vagrant, Hyper-V, Salt

*Programming* C#, Typescript, JavaScript, Python 3, Golang, Kotlin, PowerShell, Bash, C/C++

### Employment

[**authID**](https://authid.ai/)**, Denver, CO (work remotely in Phoenix AZ), Nov 2023 – present**

Senior Software Engineer

Azure Devops • GitHub • JetPack Compose • React Native • C# • ASP.NET • Kubernetes • Terraform

* Development of mobile sample apps using JetPack Compose, Flutter, React Native, .NET Maui for Android and iOS.
* Cross platform containerized application build design and implementation. CI/CD with Azure Devops and GitHub.
* C# ASP.NET Api services.

[**Arizona Game & Fish**](https://www.azgfd.com/)**, Phoenix, AZ, May 2023 – present**

Consultant (W2) via [Abacus Service Corporation](https://abacusservice.com/)

ASP.NET 8 • C# • SQL Server 2017 • sEF Core 8 • Bootstrap • Alpine.js

* Rewrote 11 yr old internal ASP.NET MVC application to use ASP.NET MVC 8 and EF Core 8.
* Created application to extract PDF text from documents and import into SQL Server for full text search.
* Created scheduled task application to scan database and send notification emails for expiring projects.

[**Meridian Cooperative**](https://www.meridian.coop/)**, Atlanta, GA (work remotely in Phoenix AZ), Feb 2019 – Apr 2023**

Consultant (W2) via [Encora](https://www.encora.com/), direct Apr 2021

Angular 14 • Python 3 • .NET Core • WPF • RHEL 8 • Podman • Docker • Jenkins • Golang • Nexus • Oracle 19c

* ASP.NET Core middle tier development with Autofac for IoC and Dapper micro ORM.
* Enhanced existing WPF 4 application for new customer requirements.
* Designed and maintain containerized builds and deployment for Angular applications and ASP.NET Core services.
* Nexus, Jenkins setup and usage.
* Front-end developer for Angular frontend for meter data management application.

[**NCR**](https://www.ncr.com/)**, Alpharetta, GA (work remotely in Phoenix), Oct 2016 – Dec 2018**

Consultant (W2) via [INDECOMM GLOBAL SERVICES](http://www.indecomm.net/), Scottsdale, AZ

C++ • C# • Jenkins • Vagrant • CMake

* Migrate complex TFS 2013 XAML workflows to Jenkins pipelines, Git, Gradle, and CMake.
* Work with team to enhance build, deployment, and hot upgrades for point of sale software.
* Investigated building existing Windows string encoding translation code on Linux. Created proof of concept using Unicode support with ICU - International Components For Unicode.

[**Ingenico Group**](http://ingenico.us/)**, Alpharetta, GA (work remotely in Phoenix), July 2013 – Oct 2016**

Consultant (W2) via [INDECOMM GLOBAL SERVICES](http://www.indecomm.net/), Scottsdale, AZ

Qt5 • C++ • Python 3 • Vagrant • Chef • Ruby 2 • WPF • Gradle • C# • Java • JavaScript • Node • CMake

* CI Build scripting in Gradle, Python 3, and CMake. Setup design using InstallAnywhere 2013 and NSIS.
* CentOS 7 / Debian 8 server setup and administration. Setup & installation of Atlassian Stash and Artifactory. Play large part in helping team members gain familiarity with CentOS 7, Linux in general, building with Gradle, and Artifactory.
* Application development using Qt 5 with QML or .NET WPF for desktop; Flask, Rails 4, and Angular for web apps.

[***Alpha Omega Publications***](https://www.aop.com/)**, Chandler, AZ, May 2003 – May 2018**

Full time contractor through Synova, May 2003 – Oct 2005, Part/Full Time CtoC Oct 2005 to present

WPF • WiX 3.6 • Qt 4 • Visual C#/C++/VB .NET 2012 • MS Build 4.0 • SQL Server 2008 • Gradle

* Designed and maintained the build and packaging process for Switched-On Schoolhouse® products. The build currently uses Jenkins and MSBuild for building, WiX for packaging. Used The Grinder for web service testing.
* Developed WCF web service enabled Windows Presentation Foundation (WPF) bootstrapper for downloading and installing newer product installations in lieu of older packages already shipped on the installation media.
* Migrated 2007 product installations from InstallShield 9 to WiX 3.0 after product port from .NET 1.1 to 2.0 for 2008 release.
* Greatly reduced tech-support calls by completely redesigning Switched-On Schoolhouse® (SOS) product installations to address high call volume tech support problems encountered for 2003 versions. Created a C++ WTL bootstrapper for chaining the Microsoft and 3rd party dependent product installations before launching the redesigned SOS product installations.

[**Wells Fargo**](http://www.dlrgroup.com/work/wells-fargo-ocotillo/)**, Chandler, AZ, Sep 2010 - Mar 2012**

Contract Programmer (W2) through INT Technologies

Visual C# .NET 2010 • Silverlight 4.0 • WCF 3.5 (REST) • MVVM • Mono 2.8 • GNU Autotools

* Enhanced existing Silverlight 4.0 application for initiating and monitoring the remote re-imaging of Windows workstations.
* Added new functionality to self hosted WCF 3.5 REST web services used for infrastructure and resource management.
* Developed and enhanced Mono 2.8 applications to run in a WinPE environment.

[**Magellan Health**](http://www.magellanhealth.com/)**, Phoenix, AZ, May 2008 to Mar 2009**

Contract Programmer though Apex Systems Inc.

Visual C# .NET 2005 • ASP.NET 2.0 • AJAX • SQL Server 2005 • SSIS • SSRS

* Designed and implemented SQL Server 2005 SSRS reports for data analysis.
* Designed and developed internal intranet application using ASP.NET 2.0 / AJAX / SQL Server 2005.
* Developed SQL Server 2005 SSIS packages for data export, analysis, and diagnostics.

[**Merchants Information Solutions**](https://www.merchantsinfo.com/)**, Phoenix, AZ Oct 2007 – Jan 2008**

Contract Programmer through Robert Half Technology

Visual C# .NET 2005/2008 • ASP.NET 2.0/1.1 • Silverlight 1.1 • Web Parts • Reporting Services

* Bug fixes and enhancements to existing Resident Screening and Resident Insight tenant screening internet service applications.
* Prototyped a Silverlight 1.1 Web Part charting control for future dashboard application use.

**Brooks Software /** [**Applied Materials**](http://www.appliedmaterials.com/)**, Phoenix, AZ, Oct 2006 – Sep 2007**

Contract Programmer through YohIT

Visual C# .NET 2005 • Oracle 10g • SQL Server 2005 • SSRS • .NET Remoting • XML • XSLT

* Part of team working on product suite using a distributed architecture for defining, collecting, and storing metrology data.
* Created new and enhanced existing WinForms applications that use Infragistics controls. Added functionality to middle tier layer exposed via .NET remoting that handles CRUD operations against an Oracle 10g backend.
* Aided other developers with understanding and working with XML database base queries, advanced .NET interop issues, and legacy ATL projects.
* Created SQL Server 2005 reports for displaying Windows performance monitoring (Perfmon) data stored in SQL Server 2005.

### Education

Carnegie-Mellon University, Pittsburgh, PA

* Master of Engineering in Metallurgical Engineering and Materials Science
* Bachelor of Science in Metallurgical Engineering and Materials Science with an option in electronic materials