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, 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, Phoenix, AZ, May 2023 – present
Consultant (W2) via Abacus Service Corporation

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, Atlanta, GA (work remotely in Phoenix AZ), Feb 2019 – Apr 2023
Consultant (W2) via Encora, 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, Alpharetta, GA (work remotely in Phoenix), Oct 2016 – Dec 2018
Consultant (W2) via INDECOMM GLOBAL SERVICES, 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, Alpharetta, GA (work remotely in Phoenix), July 2013 – Oct 2016
Consultant (W2) via INDECOMM GLOBAL SERVICES, 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, 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, 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, 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, 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, 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