

Professional Developer and Data Scientist

HIGHLIGHTS OF QUALIFICATIONS

- 10+ years experience with hands on software development and test automation
- 10+ years working and practicing Agile Software Development Lifecycle
- App/Script development with Python, NumPy, Pandas, React, NodeJS, C#, JavaScript, NodeJS
- Excellent verbal and written communication skills

TECHNICAL PROFILE

Languages:	Python, React, NodeJS, ASP.NET Core, C#, Unix/Bash, SQL
Frameworks/Libs:	NumPy, Pandas, Matplotlib
Tools:	Docker, Git/GitHub, Azure DevOps, Visual Studio Code
Databases:	SQL Server, MongoDB, Postgres, ElasticSearch, Oracle 8i/9i, MySQL
SDL:	Agile/Scrum

PROFESSIONAL EXPERIENCE

North Wind Group, Greenville, SC 2021-Present
SENIOR SOFTWARE DEVELOPER

- **Lead** the development team towards modern application development using ReactJS, ASP.NET Core, Sql Server as the primary development stack and Azure and Azure DevOps for managed cloud services
- **Develop** and maintain corporate applications utilized by all subsidiary businesses; example applications include Vaccine Status System, Lease Application, Total Compensation, and Purchase Requisition
- **Establish**, promote, and train on standard development practices, process, and coding standards based on Agile and modern development workflows (i.e. git/github - GitFlow, dev build/deploy pipelines)
- **Maintain** corporate legacy applications in Drupal/Ubuntu, MS SharePoint, ASP.NET MVC

Contract & Full-time with PwC, Spartanburg, SC 2020-2021
FULL STACK DEVELOPER / TECHNOLOGY SUPPORT

- **Develop** and build out two APIs for the Automated Contact Tracing (ACT) application using ASP.NET Core, C#, EntityFramework Core, and Sql Server
- **Implement** new data import features using Azure Functions (C#) primarily used for bulk-importing of large sets of contact tracing user and device data into the ACT application database
- **Build** new API and Progressive Web App (PWA) UI for processing user checkin status; Technologies used include Angular, ASP.NET Core, EF Core, Sql Server

JMT Technology Group, Cockeysville, MD 2019-2020
SOFTWARE DEVELOPER

- **Implement** new features for JMT's core and extensible outdoor licensing and registration platform with Angular 7, Typescript, .Net Framework, C# and SQL Server for the DB backend
- **Build** out multiple State licensing and registration websites by extending the core platform with State specific requirements, features and enhancements
- **Develop** and promote high-quality, scalable and secure State websites with modern languages, web frameworks, and tooling within fast-paced Agile teams under tight production deadlines

PayPal, Lutherville-Timonium, MD 2015-2019
FULL-STACK SOFTWARE DEVELOPER

- **Developed** and maintain the PayPal Credit Consumer and Merchant online credit applications built with JavaScript, NodeJS, Dust, Backbone, ReactJS and JQuery
- **Developed** backend service orchestration layer with NodeJS calling internal PayPal services
- Fully responsible for code and test lifecycle, implementing unit and functional tests, and CI builds

Shirk continued

Under Armour , Baltimore, MD SOFTWARE ENGINEER	2014-2015
<ul style="list-style-type: none">• Developed in-house automation framework using NodeJS, NodeUnit, Express, Twitter Bootstrap, MongoDB, BrowserStack NodeJS Selenium web driver• Developed test reporting dashboard using AngularJS• Integrate test automation tools with Jenkins based continuous integration• Supported eCommerce website systems infrastructure management using SaltStack, NewRelic, Unix/Bash scripting	
PayPal , Lutherville-Timonium, MD SOFTWARE TEST ENGINEER	2011-2014
<ul style="list-style-type: none">• Served as QA tech lead promoting consistent automation testing standards across our product suite for both integration and regression testing.• Designed and developed test cases in SoapUI/Groovy and Java/TestNG along with basic selenium for front-end and back-end application testing scenarios.• Improved testing process maturity by standing up a dedicated QA continuous integration server for our regression harnesses; additionally performed code coverage testing and evaluation for 8 separate applications.	
Praxis Engineering , Annapolis Junction, MD JAVA SOFTWARE ENGINEER	2010-2011
Integral Systems , Colorado Springs, CO SYSTEM TEST ENGINEER	2007-2010
MITRE Corporation , Colorado Springs, CO DB TECH SOFTWARE ENGINEER	2003-2006
Oracle Corporation , Montgomery, AL ORACLE JAVA DEVELOPER	2002-2003
Unisys Corporation , Montgomery, AL SYSTEMS ANALYST	2001-2002

EDUCATION, CERTIFICATIONS, TRAINING AND MILITARY

DataCamp DataScience Certification Track	(In progress)
Microsoft Certified Azure Fundamentals	2020
Agile Methodology Training	2013
Sun Certified Java Programmer 1.6	2010
Oracle8i Certified Professional	2002
Capt, US Air Force , Chief, Information System Security	1997-2001
MS, Space Operations Engineering , University of Colorado, Colorado Springs	
BS, Computer Information Science and Engineering , The Ohio State University	