Name:	Matthew Hanna	Labor Category:	Software Engineer
Address:	8901 Valley Forge Drive, Alexandria, VA 22309	Phone:	626-344-9463
Email:	contact@matthewhanna.net	Website:	https://matthewhanna.net
Education:	Clemson University, M.S., Computer Science, May 2001. Coastal Carolina University, B.S., Computer Science with Mathematics Minor, December 1998		
Objective:	A challenging but quiet software engineering role involving creativity and learning.		

Professional Summary:

Strong programming knowledge in C# implementation using Requirements, Specifications and Constraints
Strong experience in employing Unit Testing (MSTest, xUnit, NUnit) as part of the System / Subsystem Design
Training and extensive experience developing applications and services for remote clients with limited contact
Strong algorithm design skills in Object Oriented Programming (OOP), SOLID, and Software Development Life Cycle (SDLC)
Experience with cross-platform transmitting, converting, processing, and ETL of real-time data from various sources
Roles included Software Engineer, Full Stack Developer, Software Analyst, User Consultant, and Technical Support

Skills Summary:

Databases: Microsoft SQL, PostgreSQL, MySQL, SQLite,MongoDB, Redis and Access.
OS: Microsoft Windows, Linux (Ubuntu, RedHat / RHEL, CentOS, Fedora), Microsoft Server and Android
Programming Languages: C# (Framework, Standard & Core), SQL, Python, Java, HTML, CSS, JavaScript, Typescript, JSON, XML
Servers: IIS, IIS Express, Docker, Node.js, Apache, Custom
Frameworks: ASP.Net (Core), MVC, Razor, Blazor, Net Maui, WPF, WinForms, WF, WCF, React, Angular, Vue, KnockOut, RequireJs, ...
Protocols: HTTP, HTTP2, REST API, OAuth2, SAML, TCP, UDP, WAMP-proto, Net Remoting, gRPC, RS232

Training / Certifications:

Microsoft Power Apps, ASP.Net Core, ASP.Net MVC, Migrating to Micro-services, UML Essentials, Web Applications, React, Presenting Presentations, Problem Decomposition

Cherokee Federal, *2 W. 2nd St., Suite 1500, Tulsa, OK 74103*
Programmer Analyst II : March 6, 2023 to April 28, 2025
- **USGS**. WARC contractor for legacy internet services conversion to modern services and maintenance in Microsoft Power Apps, C#, ASP.Net Core, Entity Framework Core including scaffolding, SQL, HTML, JavaScript, CSS / SCSS, and Gulp. Limited usage of third-party libraries was stated as a requirement so many custom variations were created. Plenty of team coordination on projects.

TrustedQA, *11800 Michael Faraday Dr, Reston, VA 20190*
Senior Software Engineer : July 26, 2021 to June 23, 2022
- **Spalding AIBI**. NavAir contractor for software maintenance and improvement. Worked with Microsoft C# .NET Framework and Core, SQL, HTML, SCSS, JSON, XML, JavaScript frameworks including React, Node.js, Gulp, Docker, Jenkins, OpenShift. Lots of team work and communication on all projects.

Omnigo, *10430 Baur Blvd St. Louis, MO 63132*
Senior Software Engineer : August 26, 2020 to July 21, 2021
Internet services development and maintenance in C#, ASP.Net Core, Razor, Entity Framework including scaffolding, SQL, HTML, JavaScript, CSS, and Gulp. Experience with Redis using StackExchange Redis .Net client and AWS Cloud storage upload. Client API integration with TraQ6 and TraQ7 for import and export. The team was a pleasure to work with.

Smartronix, Inc., *770-828 Paseo Camarillo, Camarillo, CA 93010*
Software Engineer II : August 15, 2015 to November 22, 2019
Filling various roles with the Naval Air Warfare Center Weapons Division (NAWC-WD). Performed software engineering using Agile with co-workers. The work involved code and requirements analysis and integrating into JMPS software, The design, documentation, and implementation of the new micro-service architecture including orchestration, messaging, logging, monitoring, Docker deployment, and planning for testing at unit, integration, and end-to-end. Other tasks included VB6 conversion to C#, designing and integrating external interfaces, integration of a large dynamic databases with a faster Kafka. C#, Java, VB6, C/C++, SQL, MSTest, WinForms, WPF, JSON, Microsoft Apps, SharePoint, Power BI, Unity3D HoloLens, Rational Rose, ClearCase, and Great Migrations.

AeroVironment Inc., *900 Innovators Way, Simi Valley, CA 93065*
Software Engineer II : June 10, 2010 to September 30, 2013
As a GIS specialist, tasks included software design, programming, and maintenance in C#, VB.Net, Unity3D, C, and C++ for Windows and embedded Linux. Wrote flight simulators and code for communicating with actual Small Unmanned Air Vehicles (SUAVs) using serial, UDP, and TCP protocols both open and proprietary. Created software libraries for DTED and UDP packet communications. Helped the team develop a custom GIS desktop application based off ICDs, RFCs, and white papers supporting various map types and geo-referenced entities.