

SUMMARY

I am a business minded software engineer in the Seattle area experienced in software and firmware engineering, database integration, and full stack development.

TECHNICAL SKILLS

<u>Open Source</u>	MongoDB, Mongoose, Express, Angular, Node, React (MEAN, MERN) Python, Flask, Django, MySQL, REST and SOAP APIs
<u>Microsoft Stack</u>	C#, ASP.Net Core, MVC, Entity, LINQ, Razor, .Net Framework, Visual Studio
<u>Front End</u>	HTML, CSS, JavaScript, jQuery, Bootstrap, Materialize, Google Maps
<u>Languages</u>	C/C#/C++, TypeScript, JavaScript, Python, Java, T-SQL, VB
<u>Tools</u>	Git, GitHub, NumPy, Pandas, LaTeX, Ajax, APIs, Sockets, VS Code
<u>Cloud</u>	AWS, Azure
<u>Database</u>	MongoDB, PostgreSQL, SQLite, MySQL, SQL Server, Stored Procedures
<u>Processes</u>	System Development Life Cycle (SDLC), Test Driven Development (TDD), Agile Development, Sprint/Scrum Framework, Model View Controller (MVC), Design Patterns, Data Structures, Algorithms

EXPERIENCE

Coding Dojo Inc. **Bellevue, WA 2018**

Fellow, Full Stack Developer (1 yr.)

- Developed C#.Net Core/Entity/MySQL, Python/Django/MySQL, and MEAN/TypeScript applications.
- Development of Microsoft stack designs using C#.Net Core/Entity/MySQL.
- Development of responsive mobile-first designs using Materialize and Bootstrap libraries.
- Created Python/Django/MySQL data analysis, visualization, and geolocation application.

Midwest Computer Register **Software Engineer Hampton, IA 2005 to 2016**

Software Engineering Responsibilities (60%, 7 yrs.)

- Lead software architect and software engineer for desktop, client/server, N-Tier, and mobile vehicle-based applications and products developed using C#.Net/WPF/SQL Server/Visual Studio and VB.Net/SQL Server.
- Design and development of both internal and external development, test, configuration, and production software applications, utilities, and tools for all of the company's hardware and software products using C#/VB.Net/VB6/SQLite/MSSQL/Access/Visual Studio as well as other tools.

Firmware Engineering Responsibilities (30%, 4 yrs.)

- Firmware engineer for embedded development of 8/16/32-bit assembly/C/C++ bare-metal and RTOS firmware for products including process monitoring, process control, and system control utilizing SPI, UART, TWI, and I2C protocols and Bluetooth, Wi-Fi, RS232, CAN, USB, and TCP/IP devices.

Project Management Responsibilities (10%, 2 yrs.)

- Performed project management responsibilities supporting R&D, engineering, and production by managing design validation and approbation tests as well as by managing the listing of both new products and existing products to regulatory agencies including NIST, W&M, CE, UL, Intertek, and ETL.

Suburban Software Systems, Inc. **Software Engineer Bessemer, AL 2002-2005**

Software Engineering Responsibilities (3 yrs.)

- Lead software architect and software engineer for desktop, client/server, and vehicle-based applications developed using VB.Net/SQL Server/Visual Studio and VB6/Access.

CimWorks: A GEFanuc Company **Software Engineer Kirkland, WA 1998-2002**

Software Engineering Responsibilities (5 yrs.)

- Software engineer for desktop and client/server applications developed using VB6/Access, C++/SQL Server/Oracle/Access/Visual Studio and VB/SQL Server/Visual Studio.

EDUCATION

Coding Dojo Inc, Dual Black Belt	<i>Coding Dojo Inc, Bellevue, Washington</i>	2018
EIT/FE License #ET11624	<i>Board of Licensure for Engineers/Land Surveyors</i>	1997
	<i>The State of Alabama</i>	
B.S. Electrical Engineering	<i>The University of Alabama at Birmingham</i>	1997
	<i>Birmingham, Alabama</i>	