

Joe Beach

Software Engineer / Full Stack Developer / Program Manager

Oconomowoc, WI 53066 • 618-975-5760

jnbeach48@gmail.com

[LinkedIn](#) | [GitHub](#) | [Website](#)

Summary of Qualifications

Software Engineer with experience in **C# and .NET application development**. Veteran **Nuclear Submarine Officer** with eight years of experience in **Engineering Leadership, Program Management, and Quality Assurance**. Specific skills and experience include:

- C#, VBA, and .NET Applications
- HTML, CSS, and JavaScript
- SQL, KQL, Databases, and Data Analysis
- Object Oriented Program Design
- Azure and Online/Cloud Services
- Engineering Leadership / Management
- Quality Assurance / Regulatory Compliance
- Human Resources and Career Management

Work Experience

Director, Software Engineering / IT, May 2023 – Present

Supreme Manufacturing – Beaver Dam, WI

- Manage full stack development of workflow management software for sales, engineering, and fabrication of steel products (C#, VBA, SQL)
- Responsible for managing, improving, and designing all aspects of company-wide IT infrastructure.

Software Engineer, May 2022 – May 2023

Microsoft, Commerce Platform & Experiences – Redmond, WA

- Upgraded and maintained usage, rating, and metering services for Microsoft's online stores and cloud services (C#, Azure, KQL).
- Diagnosed and mitigated hundreds of technical issues, potentially saving billions of dollars of revenue and ensuring uninterrupted cloud service operation.

Regulatory Affairs Leader, May 2019 – Sep 2021

GE Healthcare, Magnetic Resonance Imaging – Waukesha, WI

- Automated data entry of regulatory database information systems. Improved entry times by 80%. (VB, Excel, and Selenium Web driver)
- Streamlined global product registration processes by standardizing data acquisition leading to 20% improvement in approval times.

Program Manager / Placement Officer, Jan 2017 – Apr 2019

Navy Personnel Command - Millington, TN

- Maximized operational readiness of more than 320,000 Navy personnel. Managed distribution and career progression of 5,200 naval officers. Executed an annual budget totaling \$30 million.
- Developed automated data retrieval and analysis methods using Excel, Cobalt, and Visual Basic.

Program Manager / Submarine Officer, Jan 2014 – Jan 2017

USS Connecticut (SSN-22) - Bremerton, WA

- Senior level supervisor of 80 technical operators responsible for the repair and operation of a \$3 billion nuclear submarine.
- Managed maintenance quality programs and documentation during a complex 48-month shipyard maintenance period.

Education

United States Naval Academy

B.S. in Physics

*GPA: 3.88, 2007 - 2011
(#45 out of 1025)*

Naval Postgraduate School

M.S. in Applied Physics

GPA: 3.75, 2011 - 2012

Training

Microsoft Software and Systems Academy

Program Graduate

C# Programming, Data Integration, and Azure.

Self-Learning

MTA 98-361 Certified

Web Development

Raspberry Pi / Bash Scripts

Python / Unity

Naval Nuclear Power Training

*Certified Nuclear Engineer
Coursework in physics,
chemistry, engineering,
and nuclear reactor
design and operations.*

Hobbies

Video Games

Computer Building

Music Production

Guitar / Keyboards / Bass

Competitive Fencing