

# Joe Beach

## Software Engineer / Full Stack Developer / Program Manager

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### 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

#### **Software Engineer / Systems Administrator, 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*