Thomas J Farrell, Jr

973-229-3391 | tjf7101@gmail.com | portfolio | LinkedIn

Profile

As a software developer, I am driven by a passion for technology and problem-solving, with a focus on continuous learning. My recent project, a full-stack blog viewable at Bits and Bytes, is built using C#, HTML, CSS, JavaScript, and incorporates the PostgreSQL Database. Other applications I've built can be found at https://tomfarrell-portfolio.netlify.app/.   The skills and knowledge gained from this and other projects I've built could be a valuable asset to your software development team.

Skills

.NET Technologies
C# | ASP.NET Core | ASP.NET MVC | .NET Framework 4.8 | Entity Framework | LINQ | Web API (Rest)

Web, Database and Developer Technologies
HTML5 | CSS | JavaScript | Bootstrap 5/4 | jQuery | Git | PostgreSQL | Microsoft VS | Visual Studio

Projects

People Points
This is a contact keeper application. It utilizes MVC, C#, JavaScript, HTML and CSS. It's full stack application utilizing the PostgreSQL database

Bits and Bytes
This is blog that I write in. It was built with the same design principles as People Points. However, it is larger and more complex, incorporating many more services and also utilizes an API.   It's linked directly with my portfolio.

Education

Bootcamp: Coder Foundry – Full Stack Web Development
Kernersville, NC
- Completed 672 hours of Software Engineering and Development
- Developed and deployed Full-Stack applications utilizing ASP.NET Core MVC leveraging Bootstrap, JavaScript and HTML technologies with robust PostgreSQL databases.
- Designed and constructed multiple front-end applications utilizing Vanilla JavaScript, delivering intuitive user experiences.
- Collaborated with CI/CD workflows on GitHub to ensure seamless integration and continuous delivery.

Champlain College Certifications:
Data Science | Software Development | Software Security | Cybersecurity

Master of Science, (M.S.) Telecommunications Management
Stevens Institute of Technology, Hoboken, NJ

Master of Business Administration, (M.B.A.)
Seton Hall University, South Orange, NJ

Bachelor of Science in Finance
Seton Hall University, South Orange, NJ

Experience

Professional Experience

AT&T, Bedminster, NJ   **1998-2023**

Network and Capacity Manager–Trunk Planning and Engineering

- Supported the deployment and management of various AT&T networks (VNI, TCG, BVOIP, CVOIP), ensuring optimal performance and reliability.
    - VNI (VoIP Network Infrastructure)
    - TCG (Teleport Communications Group)
    - BVOIP (Business VoIP)
    - CVOIP (Consumer VoIP)
- Led planning and development of network infrastructures, improving efficiency and scalability
- Spearheaded network capacity optimization projects, enhancing system capabilities and user experience.
- Collaborated on key initiatives such as Stir Shaken and the 4ESS decommission initiative, contributing to improved network efficiency and cost reduction.
- Mentored others and transferred knowledge and skill sets in an effort to improve the organization as a whole.