Scott Thompson - Software Developer

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https://griffonknox.github.io/Griffonknox_Portfolio/

Profile

Full Stack Developer with 7+ years of experience building scalable web applications using Angular, ASP.NET Core, EF Core, and SQL. Physics graduate with research experience programming for NASA, bringing strong analytical skills and expertise in solving complex computational problems. Skilled at developing responsive frontends and robust backend APIs, integrating them to deliver seamless user experiences. Adept at collaborating with cross-functional teams to design, test, and deploy production-ready features efficiently and reliably.

Skills

Languages: C#, JavaScript, TypeScript, SQL, Python, Java
Frameworks & Tools: Angular, React, ASP.NET Core, Node.js, REST APIs, EF Core, Postman
Databases & Cloud: SQL Server, AWS (basic), Azure, ORM/query builders
Other: Git, Visual Studio, VS Code

Experience

Momentum3 / Software Developer - OK | 2022 - 2025
- Built and integrated full-stack features using **Angular** (front end) and **ABP.NET/ASP.NET Core** (back end), delivering seamless user experiences.
- Developed responsive UI components and implemented state management in Angular, ensuring performance and usability across devices.
- Designed and implemented REST-style API endpoints, coordinated with frontend teams to align data contracts, and improved API reliability.
- Performed end-to-end testing of frontend and backend flows, using Postman and browser-based tools to verify functionality.
- Collaborated closely with product owners to gather requirements and rapidly prototype features, accelerating release cycles.

Hidalgo County / Software Developer - TX | 2020-2022
- Designed and developed **full-stack web applications** to automate workflows for multiple county departments, improving efficiency and reducing manual data entry.
- Built frontend interfaces using JavaScript and modern frameworks, ensuring responsive layouts and user friendly interactions.
- Developed backend APIs to connect applications with SQL databases, including input validation, data transformation, and secure authentication.
- Deployed applications and coordinated with end-users to gather feedback, troubleshoot issues, and deliver updates quickly.

STScI / Research Scientist - MD | 2016-2019
- Programmed Python tools to process and analyze large astronomical datasets for supernova research.
- Built algorithms to classify supernovae subtypes and determine progenitor properties.
- Applied computational problem-solving to real-world scientific research, delivering reproducible results.

Education

UMKC, Kansas City, MO — B.S. Physics, Math Minor, GPA: 3.94
Woz U, Scottsdale, AZ — Web & Software Development Certificate

References available upon Request