

TIMOTHY M. BARANI

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SOFTWARE ENGINEER

Software Engineer experienced in building scalable, human-centered applications. Skilled in developing healthcare technology solutions, strengthening authentication systems, and delivering data-driven applications that improve organizational efficiency. Recognized for creating innovative tools that streamline workflows and enhance outcomes. Thrive on continuous learning, creative problem-solving, and building solutions that are both technically sound and people focused.

SKILLS

- Angular
- Azure
- Node.js
- Identity Server
- T-SQL
- .NET Framework/Core
- API Development
- Databricks
- TypeScript
- Agile Methodologies
- Git
- C#
- Front-End Development
- Okta
- Data-driven Applications
- Pulumi
- Docker

PROFESSIONAL EXPERIENCE

VIZIENT, INC., Cape Girardeau, MO

2019-Sept. 2025

Nation's largest health care performance improvement company, serving the nation's acute care providers.

Software Engineer

- Designed and developed enterprise healthcare applications that enhanced operational efficiency and data-driven decision-making.
- Independently investigated the referral analytics front-end project and found significant code bloat. Recommended and implemented changes which reduced unnecessary code by ~60%.
- Implemented modern technologies including Angular 8+, .NET, MSSQL Server, Pulumi, Azure, Jenkins, and Octopus.
- Spearheaded major project to transition Sg2's Duende Identity Server to Vizient's Okta authentication system. Simplified and improved efficiency of sign-on process for both clients and employees.
- Oversaw multiple Angular and .NET upgrades, managing complex migrations spanning 3–5 major Angular versions and transitions across .NET Framework and .NET (Core, 5+).
- Championed Agile methodologies with Azure DevOps, applying TDD, XP, Kanban, and Scrum to deliver high-quality software.

CATHOLIC CHARITIES OF SOUTHERN MISSOURI, Cape Girardeau, MO

2018-2019

Improves the lives of the vulnerable by providing quality, compassionate social services to meet local needs.

Support Coordinator for Developmental Disabilities

- Provided case management services to individuals with developmental disabilities.
- Facilitated access to essential services and ensured compliance with state regulations.
- Maintained quality standards through collaborative engagement with provider agencies.

GRACE RELIANT HEALTH SERVICES, LLC, Cape Girardeau, MO

2015-2018

Provides care, support, and mentorship to elderly and disabled residents of Missouri.

Staff Supervisor

- Supervised a team of 4-5 direct support professionals, overseeing client care for individuals with developmental disabilities.
- Managed emergency response coordination, financial oversight, appointment scheduling, and client record maintenance.

EDUCATION

Bachelor of Arts, Southeast Missouri State University, Cape Girardeau, MO

PROFESSIONAL ASSOCIATIONS

National Society of Software Engineers – Founding Member

CERTIFICATIONS

- CPR AED - American Heart Association
- Level 1 Medication Aide - State of Missouri (#1087958)
- ProFirstAid - ProTrainings (#144079813371183)
- Crisis Prevention Certification - Crisis Prevention Institute
- Community Emergency Response Team - FEMA