

Project Proposal

Team Name:

AJTJ Solutions

Team Member's Name:

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Business Opportunity/Problem:

AJTJ Solutions will develop a freelance software development application that connects clients with developers. Users can post jobs they need help with or request to work on available projects. The website will also include features for rating completed work and messaging between users.

Description of Users:

The users are software developers and clients seeking development assistance. Users will generally be adults with technical backgrounds, ranging from beginner to advanced skill levels.

High Level User Requirements:

Users will just need a device with a web browser and basic computer skills to use the application.

Technology that will be used:

- **Application:** C# & .NET (API), React.js & TailwindCSS (frontend), PostgreSQL (database), & SignalR (web sockets).
- **Hosting:** Neon (database), Azure (API), & Netlify (frontend).
- **Version Control:** Git / GitHub.

High Level Database Architecture:

PostgreSQL will be used on a live server to store and manage all application data. Multiple users will interact with the database indirectly. Users will have access to a website hosted on a web browser. The website will send requests to an API hosted online, which processes those requests and communicates with the database. Responses are then returned through the API to the website, back to the user.