TEJASWI AVULA

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Professional Summary

Software Developer / Full Stack Developer with 3+ years of professional experience building scalable, responsive web applications using Angular, TypeScript, JavaScript, HTML5, CSS3, and SCSS. Strong hands-on experience in developing enterprise-grade frontend features, including AG Grid customization, editable tables, tree data, and performance optimization for large datasets. Proven ability to analyze, debug, and resolve production issues, improve cross-browser compatibility, and enhance overall application stability. Successfully upgraded enterprise applications from Angular 14 to Angular 17, resolving breaking changes, dependency conflicts, and third-party library compatibility issues. Experienced in integrating RESTful APIs, implementing HTTP interceptors, global error handling, retries, and frontend data modeling. Adept at working in Agile/Scrum environments, collaborating with backend teams, QA, and business stakeholders to deliver sprint commitments. Strong experience in technical documentation, including feature specifications, workflow diagrams, and knowledge transfer documentation. Hands-on experience with full-stack and MERN-based personal projects, leveraging React, Node.js, Express, and MongoDB for end-to-end application development. Demonstrated mentoring and leadership skills through professional guidance and academic support roles as a Graduate Assistant.

Technical Skills

- **Front-End Technologies**: Angular (6–15), TypeScript, JavaScript (ES6+), HTML5, CSS3, SCSS, Bootstrap
- **UI Libraries / Components**: AG Grid (Tree Data, Custom Cell Renderers, Editable Grids), Angular Material, Reactive Forms
- **Frameworks & Tools**: Angular CLI, Node.js, NPM, RxJS
- **Web Development Skills**: Responsive UI Design, Cross-Browser Compatibility, DOM Manipulation, PWA Development
- **API Integration**: RESTful APIs, HTTP Client, Interceptors, Error Handling, Data Modeling
- **Debugging & Testing**: Chrome DevTools, Angular DevTools, Postman, Console Debugging, Unit Test Basics
- **Version Control**: Git, GitLab/GitHub, Branching & Code Reviews
- **Documentation & Collaboration**: JIRA, Confluence, Workflow Documentation, Technical Specs, Agile/Scrum
- **Cloud / Backend Exposure**: Basic understanding of Java/Spring Boot APIs, JSON data handling
- **Mobile / Academic Experience**: Swift (Basics), iOS App Development (Mentoring Support)

Professional Experience

Sira Consulting Inc   2022 - Present
Full Stack Developer   *USA*

- Worked as a consultant supporting enterprise clients by designing and delivering scalable, user-focused web applications aligned with business requirements.
- Collaborated with client stakeholders, product owners, and cross-functional teams to translate functional and technical requirements into effective UI solutions.
- Contributed to the development of frontend components and application features using modern web technologies, ensuring maintainability and performance.
- Assisted in enhancing existing applications, improving usability, responsiveness, and overall user experience based on client feedback.
- Participated in Agile/Scrum ceremonies, including sprint planning, stand-ups, and retrospectives, to ensure timely delivery of project milestones.
- Supported issue investigation and resolution by analyzing defects, debugging UI behavior, and coordinating fixes with internal and client teams.
- Followed enterprise development standards and best practices, including code reviews, version control, and documentation.
- Acted as a bridge between consulting firm teams and client development teams, ensuring smooth communication and alignment throughout the project lifecycle.

BNY Mellon   2022 - 2025
UI Developer   *USA*

- Developed responsive, accessible user interfaces using Angular, HTML, and CSS, ensuring a consistent and intuitive user experience.
- Worked extensively with AG Grid, adding new features, customizing cell renderers, and optimizing grid performance for large-scale datasets.
- Identified, analyzed, and resolved UI defects, improving application stability and ensuring cross-browser compatibility.
- Prepared and maintained clear, detailed technical documentation, including feature specifications, bug fix logs, and workflow diagrams.
- Collaborated with business analysts, QA teams, and senior developers to meet sprint goals and ensure accurate implementation of business requirements.

Northwest Missouri State University   2021 - 2022
Graduate Assistant

- Mentored graduate students in iOS app development and Swift programming, providing guidance on debugging and coding best practices.
- Assisted faculty with lab sessions, grading, coursework development, and classroom support.

• Strengthened communication, leadership, and organizational skills through continuous student interaction and academic support.

Project Experience

Wanderlust – Full-Stack Airbnb-Style Web Application | <u>Live Link</u>   **Nov 2025 - Dec 2025**
  • Node.js, Express, MongoDB Atlas, EJS, Cloudinary, Render
  • Developed a full-stack travel and property listing application inspired by Airbnb, enabling users to browse, filter, view, and review listings.
  • Built backend using Node.js + Express.js, implementing RESTful APIs, session management, user authentication, and secure route protection.
  • Designed dynamic server-rendered pages using EJS, integrated custom layouts, and implemented category-based filtering and search features.
  • Implemented cloud image storage and upload handling using Multer + Cloudinary, including validation and secure file handling.
  • Created a responsive UI using Bootstrap 5, improving user experience across mobile and desktop.
  • Hosted the application on Render Web Service and connected to MongoDB Atlas for scalable cloud database operations.
  • Added Flash messages, login/logout, reviews, CRUD operations, and data sanitization for production-grade functionality.

Quantix - Full-Stack Financial Web Application | <u>Live Link</u>   **Oct 2025**
  • React, JavaScript, Node.js, Express, MongoDB, REST APIs, Authentication, Netlify, Render
  • Developed Quantix, a full-stack stock trading simulation platform featuring a React-based marketing site, a secure trading dashboard, and a backend system.
  • Built responsive and user-friendly interfaces using React, separating the public marketing site from the authenticated trading dashboard.
  • Implemented a Node.js and MongoDB backend to handle authentication, user data, and core application logic.
  • Designed and integrated RESTful APIs to enable seamless communication between the frontend and backend services.
  • Deployed the frontend applications on Netlify and the backend services on Render, following modern cloud deployment practices.
  • Structured the application using real-world, industry-standard architecture, making it suitable for portfolio demonstration and practical learning.

Quote Maker – Web Application   **Jan 2022 - May 2022**
Northwest Missouri State University
  • Developed a responsive Progressive Web App (PWA) that displays inspiring daily quotes to enhance motivation and user engagement.
  • Implemented secure user authentication, enabling personalized login and customized user access.
  • Designed functionality for users to view up to 10 daily quotes, encouraging productivity and positivity.
  • Added quote customization features, allowing users to edit, modify, or delete quotes to personalize their experience.

EDUCATION

Westcliff University, Dallas, Texas   **May 2025 - Present**
Master of Business Administration, Web Development & Design

Northwest Missouri State University, Maryville, Missouri   **Jan 2020 - May 2021**
Master of Computer Science
  • **GPA:** 3.8 GPA

Vignan's Foundation for Science, Technology & Research (Deemed to be University)   **Jun 2016 - Jul 2020**
Bachelor of Electrical and Communication Engineering
  • **GPA:** 9.3 GPA