

VASU TARRA

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PROFESSIONAL SUMMARY

Frontend Engineer with 3+ years of experience developing scalable, high-performance web applications using Angular (15+), TypeScript, and RxJS. Hands-on expertise in REST and GraphQL API integration, data-driven dashboard development, and CI/CD pipeline setup using GitHub Actions. Experienced with Django backends and Azure cognitive services (Form Recognizer, Blob Storage) for intelligent document automation. Adept at performance optimization, clean architecture, and delivering production-ready solutions in Agile/Scrum teams.

PROFESSIONAL EXPERIENCE

Software Engineer | Vivify HealthCare Pvt. Ltd. | Oct 2022 – Present | Visakhapatnam, India

- Built and maintained enterprise-scale Angular (15+) applications for internal and external users, improving UI responsiveness and feature delivery velocity.
- Integrated REST and GraphQL APIs using Apollo Client, streamlining data flow and reducing API response handling complexity across multiple product modules.
- Developed reusable, modular UI component libraries using Angular Material and Reactive Forms, accelerating development cycles and ensuring consistent UX.
- Improved application performance by implementing lazy loading, trackBy optimization, and OnPush change detection strategies, reducing page load times significantly.
- Designed and delivered interactive dashboards using Highcharts, Google Charts, and D3.js for real-time and historical data visualization.
- Developed Django REST APIs with JWT-based authentication, optimized database queries, and secure data handling for healthcare data workflows.
- Automated PDF data extraction using Azure Form Recognizer, eliminating manual document processing and improving data accuracy.
- Managed large-scale file storage pipelines using Azure Blob Storage for secure and efficient document handling.
- Participated in Agile/Scrum ceremonies including sprint planning, retrospectives, and code reviews; collaborated with cross-functional teams to deliver features on schedule.

PROJECTS

Badminton Club Management System | Angular, TypeScript, Angular Material, GitHub Actions, Vercel

Live: <https://badminton-club-pro.vercel.app/login>

- Built a full-featured Angular SPA for managing players, matches, and sessions with dynamic filtering and search functionality.
- Implemented CI/CD pipeline using GitHub Actions for automated builds and deployments to Vercel, ensuring zero-downtime releases.
- Optimized frontend performance using lazy loading and efficient rendering, improving load speed on low-bandwidth connections.
- Designed responsive, accessible UI/UX with Angular Material for seamless use across devices.

Shankar Cab Service – Business Portfolio Website | Angular, TypeScript, HTML, CSS, GitHub Actions, Vercel

Live: <https://shankarcabservice.vercel.app/>

- Designed and developed a responsive business portfolio website for a local cab service to establish online presence and drive customer engagement.
- Set up CI/CD pipeline using GitHub Actions for automated build validation and deployment to Vercel on every push.
- Focused on mobile responsiveness and performance optimization to support users across all device types.
- Integrated call-to-action features enabling direct customer contact and booking inquiries.

Nivish – Health Camp Management System | Angular, TypeScript, GraphQL, Apollo Client, Bootstrap

- Built Angular-based admin dashboard and student portal for managing health camp registrations, scheduling, and reporting.
- Integrated GraphQL APIs using Apollo Client for efficient, real-time data fetching and state management.
- Digitized end-to-end manual workflows, improving operational efficiency and data transparency for healthcare staff.

Telestra – Automated Document Data Extraction | Azure Form Recognizer, Python, Azure Blob Storage

- Developed automated pipelines to extract structured and unstructured data from PDFs using Azure Form Recognizer.
- Trained custom AI models to improve extraction accuracy for domain-specific document formats.
- Integrated Azure SDKs (Python) to automate document ingestion and storage workflows at scale.

Ivin – Political Data Visualization Platform | Angular, TypeScript, REST APIs, Highcharts, Google Charts

- Developed Angular UI modules for exploring, filtering, and validating large-scale electoral datasets.
- Built interactive dashboards using Google Charts and Highcharts for real-time data visualization and trend analysis.
- Integrated REST APIs for live data updates and validation workflows across multiple data sources.

TECHNICAL SKILLS

Frontend & Frameworks: Angular (15+), TypeScript, RxJS, Angular Material, Reactive Forms, HTML5, CSS3, Bootstrap

Backend & APIs: Python, Django, REST APIs, GraphQL, Apollo Client

Data Visualization: Highcharts, Google Charts, D3.js, Metabase

Cloud Services: Azure Form Recognizer, Azure Blob Storage

Databases: PostgreSQL, MongoDB

DevOps & Tools: Git, GitHub Actions, CI/CD, Postman, Vercel

EDUCATION

Bachelor of Engineering – Mechanical Engineering

Chaitanya Engineering College, Visakhapatnam | CGPA: 8.0/10 | July 2021