Tejas Mandhare

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Skills

Backend: C#, ASP.NET, Python, Django, SQL, C++, Java
Frontend: React, Redux, TypeScript, JavaScript, Tailwind, JQuery, HTML, SCSS, Cypress
Cloud & Database: Azure, AWS, GitHub Actions, SQL Server, PostgreSQL, Redis, MongoDB, Elastic
Tools: Git, Jira, Splunked, New Relic, DevTools, docker, Jenkins, GitHub, BitBucket, Sourcegraph

Professional Experience

Cornerstone OnDemand, Software Engineer   Jun 2024 – Present │ Mumbai, India
User Record Redesign
- Revamped UserRecord and UserRecord Builder using React, GraphQL, CQRS, Mediator, and PostgreSQL.
- Embedded React components into a legacy ASPX monolith using custom integration logic and HashRouter.
- Enhanced data handling with Redux, improving maintainability and reducing UI bugs by 40%.

AI-Driven Localization Automation
- Developed an AI-powered localization system using Python integrated into the in-house Core-LLM gateway.
- Reduced localization costs by 70% and release timelines by two weeks through automation.
- Initiated documentation translation into 45+ languages, targeting a 90% reduction in manual effort.

Self Registration
- Built a multi-step registration form in React integrated with SQL Server, .NET, and EF Core, improving onboarding experience.
- Implemented Google reCAPTCHA to block automated bot sign-ups, preventing credential stuffing and brute-force attempts.
- Added email verification to ensure data integrity, reducing invalid registrations by 95%.

Bulk Compensation Deletion
- Designed and implemented a bulk deletion workflow in React and .NET Core with GraphQL integration, enabling event-driven batch deletion of 500 records.
- Reduced backend work orders by 85% by replacing manual SQL cleanup with an intuitive UI.
- Delivered a responsive and accessible design, improving admin productivity during high-volume payroll cycles.

GEP Worldwide, Software Engineer   Jun 2022 – Jun 2024 │ Mumbai, India
SMART Auction
- Built real-time auction updates using React hooks and state management, integrated with SignalR and WebSockets for bidding amounts, highest bidder, rankings, and countdown timers.
- Rebuilt a Serverless Azure Functions App in v4, improving event handling performance and adding logic to pre-fetch upcoming live events with temporary Redis caching.
- Managed deployments and health checks for 10+ microservices, resolving CLI tickets per SLA with temporary fixes and SQL-based data corrections.

Nexxe Quantum
- Developed high-performance .NET 6 APIs with NoSQL integration, paired with a responsive, accessible React frontend.
- Built an event setup page with configurable validations using Plugin Architecture..
- Added both UI and API test cases in Cypress, contributing to comprehensive automated testing coverage.

Miscellaneous Contributions
- Designed a centralized document generation API using Aspose, creating reusable Word/PDF templates for multiple teams and automating document workflows.
- Created a POC for hosting SPA frameworks within Google Apps Script, enabling deployment of a Google Workspace add-on with dynamic UI.
- Optimized a complex reporting stored procedure, reducing record count by 40% and significantly improving query performance.

Projects

Grievance Reporting System 🔗   2021 – 2022
Github: WEB App 🔗 │ Mobile App 🔗 — *Android Studio, Kotlin, JetPack, PostgreSQL, JavaScript, AJAX, SQL, Git, docker*
Publication: <u>IEEE Grivance Reporting System</u> 🔗
- Led a team of 4 to develop a Django REST framework for streamlined government sector grievance registration.
- Trained a CNN-based Computer Vision ML model achieving 89% accuracy in segregating grievances from images.
- Built REST APIs with JWT token authentication for seamless communication between Android (Kotlin) app and grievance registration.
- Hosted system on Azure Cloud, deployed with Docker and utilized SQL Database for backend data management.

Product Categorization and Recommendation System 🔗   2020 – 2021
WEB Application 🔗 — *Django, Python, ORM, PostgreSQL, HTML, JavaScript, AJAX, SQL, Git, docker*
- Created an E-Commerce Django app with buyer and supplier login, incorporating sorting and filtering.
- Implemented Naive Bayes classification on a dataset of 11,300 entries, resulting 93% accuracy in product classification.
- Trained co-sine similarity model for product recommendation.

Education

Bachelor of Engineering — Computer Engineering   2019 – 2022
Pillai College of Engineering — (9.06/10)

Certificates & Hackathon

Microsoft AZ-900 : Azure Fundamentals 🔗

Microsoft Fastest Coder First: Hackathon