Pushpendra Sapkale
Software Engineer (Full-Stack)

Passionate Full Stack Developer with **3+ years** of experience in building robust, user-centric web applications. Expertise in JavaScript, frontend, and backend technologies, with a strong focus on delivering clean, efficient, and scalable code.

Contact

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Work Experience

Turvo India Pvt Ltd

March 2024 - Present

- Built login and signup functionality with JWT authentication, using access and refresh tokens along with Redis caching for a secure and stateless system
- Added SSO login with Passport.js to make signing in easier and more secure
- Built middleware to handle authentication and authorization, using Redis to improve performance and speed up data access
- Optimized the codebase by creating common components, removing unnecessary code, and improving lazy loading in Angular for better performance and maintainability.
- Improved website security by adding rate limiting, XSS protection to prevent script attacks, CSRF prevention, and HPP to block duplicate query parameters.
- Built a middleware to validate file types, block scripts, and ensure only required data is read instead of processing all file types
- Used express-mongo-sanitize to prevent MongoDB injection and added parameterized queries to keep MySQL safe from SQL injection.
- Created a DB connection file to set up secure MySQL && Mongo connection, fetched credentials from a vault, added rate limiting and connection limit
- Developed a Python script for automation testing, deployed on Jenkins with a scheduler, significantly reducing testers efforts and improving testing efficiency

Engineer Philosophy Web Services Pvt Ltd

Dec 2021 - Dec 2023

- System design of new module named Sales Advisory from scratch
- Developed a reusable standalone data analytics component with Ag-Grid to display tabular data, also it's design can be changed on the basis of params
- Created a reusable standalone chart component using Plotly.js, reducing development time and effort for creating charts.
- Developed a drag and drop feature using angular CDK drag-drop
- Implemented Single Sign-On (SSO) login integration using Salesforce and Google, enhancing user authentication and streamlining access.
- Developed an API authentication system using Redis to restrict users from accessing each other's APIs, ensuring security
- Migrated whole backend system from NodeJS v8 to v18 in Express JS
- Created a common responsive material stepper component on Angular
- Managed GeoJSON data state in the Map Maker module using services and RxJS observables, effectively minimizing redundant API calls
- Design UI on Angular also solved design issues of data table in GIS data module also made it resposive so user can see it on mobile devices as well
- Research on Turf.js library and developed a intersect polygon mode
- Developed a mouse hover effect on Mapbox Map to show custom messages

Educational Background

Master Of Computer Application (MCA)
Medi-Caps University, Indore (MP)
Aug 2019 - Aug 2021
- Specialization in web development

Languages
- Hindi (Fluent)
- English (Fluent)
- Marathi (Understandable)

Skills

Technical Skills

- JavaScript
- TypeScript
- NodeJS
- ExpressJS
- MySQL
- MongoDB
- Redis
- RabbitMQ
- Angular
- RxJS
- Bootstrap
- Jest
- Git & Github
- Jira & Bitbucket
- AWS EC2, S3
- Docker

Certification/Short Courses

- NodeJS with Express, IBM
- Angular for Frontend, Codio
- Security Awareness Training
- DSA, Apna College

Personal Projects

Authentication System
Angular 18, Bootstrap, Typescript, NodeJS, ExpressJS, MySQL, Redis

Practice Project For Learning only

- Authentication using JWT access & refresh tokens
- SSO Login with google
- User role authorization using Redis and express middleware
- Used typescript for better and faster development in ExpressJS
- Available of Github

Geojson Creator Tool
Angular, Bootstrap, Typescript, Mapbox, Turf.js

- Build it from scratch by myself
- Added media query for responsive design
- Used services with subjects for sending data to any component directly
- Deployed on firebase

Outside Achivements

- Played football on national level
- Won state football championship