

Pushpendra Sapkale

FullStack Engineer

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EXPERIENCE

Turvo India Pvt Ltd - Hyderabad India [Link](#)

01/03/2024 To Present

- Upgraded Angular 12 to 16, improved build times by 30%, removed deprecated libraries, and enhanced security
- Developed login and signup functionality with JWT Tokens, using access and refresh tokens along with Redis
- Developed an Express middleware for authorization, verifying tokens and check role-based access control (RBAC)
- Integrated SSO login with Okta, enhancing user experience, reducing login time, and simplifying access management
- Improved Angular app's performance by 20%, reduced code size by 35%, and significantly decreased initial load time
- Added i18n and multi-currency support in Angular, enabling global reach and local transactions for B2B users
- Setup logging with Logstash and Kibana to make debugging faster and help the team to track and manage incidents
- Built a Python alert system that sends notifications and replaced third-party on-call services, saving 40% in costs
- Handled SRE on-call duties and developed scripts for system alerting to ensure pre issue detection and resolution
- Reduced deployment time by 40% by containerizing the project with Docker also simplifying onboarding and setup
- Build an internal Postman like tool to reduce third party subscription costs, prevent data breaches and personal use
- Created an in-house Kibana alternative for the support team to view logs through a user friendly interface
- Wrote clear Confluence docs with feature overviews, guides, demos, and developer diagrams
- Designed and developed an internal "Script Runner" with peer approvals, Slack/email notifications, and post-execution actions (cache refresh, permission saving) for efficient script execution (SQL, MongoDB, Python)

Engineer Philosophy Pvt Ltd - Indore India [Link](#)

31/12/2021 To 08/12/2023

- Developed a reusable data analytics component with Ag-Grid to display tabular data, customizable via parameters
- Created a reusable standalone chart component with Plotly.js, reducing development time and efforts
- Built RESTful APIs with authorization using Redis for session management and JWT for token-based authentication
- Build a connectivity module in Express.js to establish and manage connections with MySQL, MongoDB, and Redis

PERSONAL PROJECTS

Geojson Creator Tool [Link](#)

01/07/2023 To 08/09/2023

- Built from scratch and implemented media queries for responsive design, ensuring a seamless user experience
- Used Services, Subjects, and RxJS to pass data directly to components, bypassing component hierarchies

Auth System [Link](#) [Link](#)

15/08/2024 To 27/12/2024

- Developed this project as a learning exercise to understand authentication and authorization with JWT and Redis
- Handled authentication using BcryptJS for password hashing and JWT for generating and managing tokens
- Implemented user role authorization using Redis and Express middleware for secure access control
- Used TypeScript for better type safety, improved code maintainability, and faster development in Express.js

SKILLS

- Languages - Javascript, EcmaScript, Typescript, Python (Basics)
- Frontend - HTML, CSS, Bootstrap, MediaQueries, Keyframes, Angular, RxJS, Jest
- Backend - NodeJS, ExpressJS, MySQL, MongoDB, Redis, RabbitMQ, Microservices
- DevOps - Docker, AWS (EC2, S3, RDS, Autoscaling)
- Others - Git, Github, Bitbucket, Jira, Confluence, Linux

EDUCATION

Master Of Computer Application (MCA), Medi-caps University, Indore (MP) India

01/07/2019 To 02/07/2021

- Gained a strong foundation in software engineering principles, learning programming languages like Java and JavaScript, along with core concepts such as data structures, algorithms, DBMS, OS, CN and system design