

Pushpendra Sapkale

Full-Stack 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 [\[Link\]](#)

15/08/2024 To 27/12/2024

- **Developed** this project as a **learning exercise** to understand **authentication** and **authorization** with **JWT** and **Redis**
- Implemented password **hashing** using **BcryptJS** and integrated **JWT** for generating secure **access and refresh 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

Technical 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)

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**