

Pushendra Sapkale (Full Stack Engineer)

SUMMARY

I'm a **Full Stack Engineer** with a strong background in front-end technologies like **HTML, CSS, Bootstrap, JavaScript, TypeScript**, and **Angular**. I'm also skilled on the back-end with **Node.js, Express.js, MySQL, MongoDB, Redis, RabbitMQ**, and have experience building **microservices**. In my current role, I also wear the hat of a **Site Reliability Engineer (SRE)**, writing scripts to monitor system health, track queue backlogs, and ensure everything runs smoothly. On top of that, I handle **on-call duties**, jumping in to resolve issues and keep things running without interruption.

EXPERIENCE

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

01/03/2024 To Present

- Migrated the entire project from **Angular 12 to Angular 16** on the UI side and from **Node 10 to Node 22** on the backend, enhancing **security** and ensuring **compatibility with the latest features and updates**
- Developed **login and signup functionality with JWT Tokens**, using **access and refresh tokens** along with **Redis caching** for a secure and stateless system, also added **SSO login with Google** for users' convenience
- Developed an **Express middleware for authentication and authorization**, verifying **tokens** and ensuring secure access control with **role-based access control (RBAC)** for fine-grained permissions
- Handled **SRE on-call duties** and developed **scripts for system alerting** to ensure pre issue detection and resolution.
- Worked on **Docker files** to transition from **EC2 deployments** to **containerized deployments using Docker**, which reduced deployment time, also enabling easier migration to **Kubernetes** as the platform evolves
- Developed an internal **Postman-like tool** to reduce **third-party subscription costs**, prevent **data breaches** from personal credentials, and added **customizations tailored to employee needs** for improved functionality
- Created an in-house **Kibana alternative** for the support team to view **logs through a user-friendly interface** displaying only relevant data, empowering **non-technical users** to independently understand and debug issues. Added **export/share options**, utilized **AG-Grid** for tabular data display, and tailored the tool to meet **user-specific needs**
- Created Confluence pages for features, including **feature overviews, demo videos, usage guides**, and **developer documentation** with **diagrams**

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
- Developed a **drag-and-drop feature** using **Angular CDK**, allowing users to interact smoothly and playfully
- Developed a **mouse hover effect** on **Mapbox** to display **custom messages**, conducting research, creating a **proof of concept**, and integrating it into the tool, which became highly appreciated by users (checked on **Mixpanel** for the data)
- Migrated the backend from **Node.js 10 to Node.js 20** to improve security, performance, and ensure long-term stability by leveraging the latest features and updates
- Implemented and automated **test cases using Jest** for **unit and integration tests**, improving **application stability**, reducing **bugs**, and minimizing **testers' efforts** Automated **unit and integration tests using Jest**, enhancing **application stability**, reducing **bugs**, and streamlining the **development process** with **faster feedback cycles** and minimized **testers' efforts**

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
- Used BcryptJS to hash passwords and JWT to generate 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)
- **Others** - Git, Github, Bitbucket, Jira, Linux

Soft Skills

- Team Player
- Fast Learner
- Positive Attitude
- Research-Oriented
- Leadership

CERTIFICATIONS

- [NodeJS with Express IBM](#)
- [Angular for Frontend, Codio](#)
- [DSA with Apna College](#)
- [Security Awareness Training](#)

EDUCATION

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

01/07/2019 To 02/07/2021

- Gained a strong foundation in **computer science** and **software development**.
- Acquired valuable insights into various aspects of the tech field
- Developed essential skills for a successful career in technology

OUTSIDE INTERESTS

- **Football Enthusiast** - Passionate about football, with experience playing at the **national level (University Nationals)**
- **State Football Championship Winner** - Part of the team that won the **state football championship**

LANGUAGES

- **Hindi**: Native proficiency
- **English**: Intermediate proficiency
- **Marathi**: Can Understand

CONTACT DETAILS

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