

Tanmay Vinod Jalgi

SOFTWARE ENGINEER

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EDUCATION

PUNE UNIVERSITY

Master Of Computer Application
2019 - 2022 | CGPA: 8.68/ 10

PUNE UNIVERSITY

Bachelor Of Computer Application
2016 - 2019 | Percentage: 64.46%

SKILLS

Programming Language

JavaScript, TypeScript,
HTML5, CSS3

Frameworks

Express.js, Hapi.js,
Mocha

Database

PostgreSQL, MongoDB,
Sqlite3

Tools

Prisma, Docker, Postman,
Git, MkDocs, MantisBT

Technologies

MQTT, Mosquitto

Others

Node.js, Socket.io, REST
API, Mongoose, CI/CD

KNOWN LANGUAGES

- English
- Marathi
- Hindi
- Telugu

Git Repository URL

Blogging Website

Technologies Used for Blogging Website

- Node.js
- Express.js
- MongoDB
- JWT
- EJS

EXPERIENCE

NETWORK COMPONENTS PRIVATE LIMITED | Software Engineer

3 Years | April 2022 - January 2025 | Pune

Experienced Backend Developer with 3 years of expertise in designing and developing scalable, efficient, and maintainable server-side applications, primarily in IoT-based projects. Skilled in creating seamless communication between databases, frontend applications, and other devices through robust API development and integration. Actively contributed to maintaining code quality and consistency through code reviews and best practices. Beyond technical responsibilities, mentored a junior developer, fostering skill development and knowledge sharing within the team.

PROJECTS

Clouzer Edge

- Developed REST APIs utilizing the Hapi.js framework.
- Created APIs for App which uses MQTT protocol to communicate with server.
- Used Socket.io to communicate with server for local network.
- Worked with JWT tokens for ensuring the security, access and integrity of data regarding to users, devices and other meta data.
- Wrote queries to manage CRUD operations over complex data.
- Worked on OAuth 2.0, to integrate third party application into the project.
- Utilized various node.js libraries's to solve the complex real world problems.
- Tested REST APIs using Postman and wrote testscript to test other APIs using Mocha testing framework.
- Maintained code using sonarLint.
- Well Documented the Flows and APIs using apiDocs.

EnviroKlenz

- Engaged in requirement analysis, coding, and implementation of the application.
- Designed APIs to communicate with the devices and Cloud services(on premises service).
- Engineered driver software to gain command over diverse smart devices.
- Streamed data to the cloud using MQTT to run functionality on cross-platforms.
- Trained a developer to handle the projects various flows.
- Drawn flow diagrams, sequence diagrams for other teams to understanding as well as for documentation.
- Familiar with docker commands.

PROJECT FOR SELF LEARNING

Blogging Website

- Developed a dynamic blogging website using Node.js, Express.js, MongoDB, and EJS.
- The platform allows users to create, read, update, and delete blog posts, with a focus on user-friendly design and efficient content management.
- MongoDB serves as the database for storing user information and blog content, while EJS templating engine is used for rendering dynamic HTML pages.
- The website also features a responsive layout, user authentication, and proper error handling for an optimized user experience.
- This project emphasizes the seamless integration of the backend and frontend for smooth operation and interactivity.