

SAURABH FODEKAR

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SUMMARY

Software Developer with **5 years of experience** in designing and developing scalable applications using **Node.js, JavaScript, TypeScript, Express.js and PostgreSQL**. Proven expertise in delivering high-performance solutions focusing on innovation, collaboration and continuous learning. Passionate about creating reliable and efficient software that meets modern industry standards.

EDUCATION

Marathwada Mitra-Mandal College of Engineering Pune | Bachelor's Degree in Mechanical Engineering

Aug 2015 - May 2019

SKILLS

Programming Languages : Node.js, JavaScript, TypeScript, C++, C, Java
Databases : PostgreSQL, MySQL, Redis Cache, MongoDB
Cloud & DevOps : Azure functions, Queue, Blob, Key Vault
AWS Lambda functions

Web Technologies : Express.js, RESTful APIs, GraphQL
Unit Testing : Mocha, Chai
Tools : WebStorm, Visual Studio, Postman, Git, Docker, JIRA

EXPERIENCE

Frontrun Software System Pune | Software Developer

Oct 2023 – Present

- Developed a scalable project management tool using Agile methodologies with Node.js, typescript, Express, PostgreSQL, Docker, and serverless functions to optimise performance and reliability.
- Designed and implemented a **multi-tenant architecture** with a **dynamic database/schema-switching engine** for isolated client environments and seamless customization.
- Built an **Auto Jira Error Log Engine** integrating Azure Queue, Blob Storage, Serverless Functions, and Jira APIs to automatically capture and track unhandled errors.
- Developed a **Database Extension Engine** enabling users to create and manage custom database tables directly from the UI.
- Integrated **Azure Key Vault for secure secret management**, eliminating .env dependencies and enforcing role-based access control.
- Implemented **cron-triggered serverless functions** to automate background tasks and optimize asynchronous workflows.

Rainclouds Global Solutions Pune | Software Developer

Jun 2022 – Sept 2023

- Developed and maintained high-performance web applications in compliance and cybersecurity using Node.js, Express.js, and PostgreSQL.
- Enhanced authentication and security protocols with **SAML, OAuth, and Passport.js** to secure user access and meet regulatory compliance.
- Generated comprehensive **Swagger documentation** to facilitate clear API communication and improve team collaboration.
- Developed a **Virtual Cloud Desktop (VCD) plug-in** integrating web applications with virtualized cloud platforms for enhanced remote accessibility.
- Strengthened data security by implementing **multi-factor authentication (MFA)** and public-private key encryption.

Capgemini India Pune | Software Developer

May 2021 – May 2022

- Engineered high-performance **C++** and **MFC** desktop applications for Canon's X-ray image processing to optimize image handling workflows.
- Developed scalable web applications using **Node.js and Express.js** for robust backend solutions and collaborated with cross-functional teams to integrate desktop and web systems.

Prime Marketing Pune | Welding Automation Engineer

Aug 2019 – Apr 2021

- Specialized in welding automation as a welding automation engineer, providing tailored solutions to optimize manufacturing efficiency. Analyzed customer requirements, recommended automated welding systems, and collaborated with cross-functional teams to develop customized solutions, driving customer satisfaction and business growth.

OPEN-SOURCE PROJECTS

- Redirect to Local Server (Chrome Extension)** – A development tool that seamlessly connects a local server with a live frontend by redirecting APIs. Eliminates the need for external tools like Postman, enabling in-browser API testing, debugging.
- Git-Postman-Sync Engine (Desktop application)** – An open-source tool that syncs Postman collections with GitHub, enhancing team collaboration and version control for API collections, simplifying sharing and access.
- Excel-as-Database (NPM Package)** – A Node.js package that transforms Excel into a SQL-supported lightweight database.
- Expense split Backend** – Scalable backend with expense distribution algorithm, MFA, JWT authentication, third-party logins, email notifications, and payment integration (in progress).