

PAGALAVAN VETRIVENDHAN

FULL STACK DEVELOPER

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Technical Skills

- **Frontend Development:** : React.js, JavaScript, TypeScript, HTML, CSS, Bootstrap, React Router
- **State Management & Optimization:** Redux Toolkit, React.memo, useMemo, React.lazy, Suspense
- **Backend & API Development:** Node.js, Express.js, NestJS, RESTful APIs, JWT, OAuth
- **Database & Data Handling:** MSSQL, PostgreSQL, Prisma ORM, Azure Data Factory (ADF)
- **Tools & Best Practices:** Git, GitHub, Postman, Azure DevOps, SOLID Principles, Agile, Scrum

Education

- B.E - Electronics and Communication Engineering**, Kongu Engineering College **Aug 2018 – Apr 2022**
- GPA: 8.59/10 with **First Class Distinction**
- Higher Secondary Education**, Sree Vetri Vikas Matric Hr Sec School **Jun 2017 – Apr 2018**
- Percentage: 88.8

Experience

Software Engineer - Accenture | 2.9 Years **Nov 2022 - Present**

Database

- Designed and optimized **SQL queries** and **stored procedures** for efficient **CRUD operations** and analytics.
- Automated **ETL pipelines** using **SSIS** and **Azure Data Factory**, ensuring reliable data integration.
- Improved stored procedure **performance** by up to **10%** through **query optimization** and **indexing**.

Frontend Development

- Built **reusable UI components** using **React.js**, improving maintainability and performance.
- Managed complex state with **Redux Toolkit**, **useReducer**, and **Context API** for seamless data flow.
- Implemented **dynamic routing** and **role-based access control** using **React Router v6**.

Backend Development

- Built and deployed scalable **RESTful APIs** using **Node.js** and **Express.js**, ensuring secure data handling.
- Implemented **JWT-based authentication** and **OAuth** for secure user access and role management.
- Worked on **server-side logic** and **database interaction** to support **high-performing** web applications.
- Followed **Agile and Scrum** with **Azure DevOps**, **Git**, and **CI/CD pipelines** for streamlined delivery.

Projects

Postgram - Angular, Express.js, MSSQL, JWT, Bcrypt, REST API [Postgram](#)

- Built a **MEAN stack** application to facilitate **real-time post creation**, enabling collaborative user interaction.
- **Reduced API response time** by **30%** through optimized database queries and backend logic.
- Implemented **role-based access control**, **error handling**, and smooth **frontend-backend communication**.
- Deployed on **Netlify** and **Render**, leveraging **cloud platforms** for scalability and efficiency.

Cafe Management - NestJS, Prisma ORM, PostgreSQL, JWT [Documentation](#)

- Designed a **modular backend** to manage roles, reservations, and bookings with **Prisma** and **PostgreSQL**.
- Improved data handling **efficiency by 40%** with **schema-based** separation and optimized workflows.
- Automated **API integration** and streamlined developer onboarding with comprehensive **API documentation**.