

PAGALAVAN VETRIVENDHAN

FULL STACK DEVELOPER

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Technical Skills

- **Frontend Development** : React.js, Angular, Javascript, TypeScript, HTML, CSS, Bootstrap
- **State Management** : Redux Toolkit, useReducer, Context API, RxJS, Lazy Loading
- **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**

Frontend Development

- Built scalable, responsive UIs using **React.js** and **Angular** with component-based architecture.
- Handled **forms, routing, component reuse, and state management** using tools like **Reactive Forms, React Router v6, Redux Toolkit, Context API, RxJS** and **NgRx**.
- Improved performance with **React.memo, lazy loading, Suspense, OnPush** and **Signals** .
- Created **standalone Angular components**, enhancing modularity and reducing dependency load.
- Used **custom directives and pipes** in Angular for cleaner templates and reusable logic.
- Applied **React.lazy** and **code-splitting** to reduce initial load time and improve app speed.

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.

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**.

Projects

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

- Developed a **responsive Angular application** with **real-time post creation**, using **RxJS** for reactive UI.
- Implemented **role-based access control, error handling**, and optimized database queries.

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

- Designed a **modular backend** to manage roles, reservations, and bookings with **Prisma** and **PostgreSQL**.
- Automated **API integration** and streamlined developer onboarding with comprehensive **API documentation**.