

# PAGALAVAN VETRIVENDHAN

## SOFTWARE DEVELOPER

Dharmapuri | [pagalavanvdeveloper@gmail.com](mailto:pagalavanvdeveloper@gmail.com) | +91 8300622621 | [Postgram](#) | [LinkedIn](#) | [Github](#)

### Technical Skills

---

- **Frontend Development:** React.js, JavaScript, TypeScript, HTML, CSS, Bootstrap, React Router, Angular
- **State Management & Optimization:** Redux Toolkit, React.memo, useMemo, React.lazy, RxJS, NgRx
- **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 | 2.8 Years** **Nov 2022 - Present**

#### Frontend Development

- Built **scalable UI components** using **React.js**, improving code structure and maintainability.
- Developed **dynamic forms** with **React Hook Form** using conditional logic, validation and error handling.
- Managed application state using **Redux Toolkit**, **useReducer**, and **Context API** for predictable data flow.
- Optimized rendering with **React.memo**, **useMemo**, and lazy loading via **React.lazy** and **Suspense**.
- Implemented **protected and nested routes** using **React Router v6**, enabling role-based navigation control.
- Developed standalone **Angular modules** using **RxJS**, **NgRx**, and **Signals** for reactive state handling.
- Applied **lazy loading** and **change detection optimization** in Angular to enhance app performance.
- Practiced **Agile and Scrum**, leveraging **Azure DevOps**, **Git**, and **CI/CD pipelines** for efficient project delivery.

#### Backend Development

- Built **RESTful APIs** with **Node.js**, **Express.js**, ensuring secure data and **JWT/OAuth authentication**
- Developed **server-side logic** with optimized **database interactions** for high performance

#### 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**

### 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**.