

# VYAKHYA MISHRA

## BACKEND DEVELOPER

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### PROFESSIONAL SUMMARY

**Node.js Backend Developer** with **9+ years** of experience building scalable, high-performance systems **using Node.js, Express, PostgreSQL, microservices, and AWS**. Strong in **REST APIs, async programming, authentication, and database optimization**.

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### TECHNICAL SKILLS

**Backend:** Node.js, Express.js, Asynchronous Programming, Event Loop, Streams, Middleware.

**Architecture:** Microservices, MVC, Layered Architecture, Repository Pattern, REST APIs

**Databases:** MySQL, PostgreSQL, MongoDB, SQLite

**Cloud / DevOps:** AWS (EC2, S3, SES), Git, GitHub, Docker, Swagger, Postman, CI/CD

**Frontend:** HTML5, CSS3, JavaScript, Bootstrap

**AI/Tools:** OCR, OpenAI APIs, Automation Tools

**Authentication:** JWT, OAuth2, Role-Based Access

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### PROFESSIONAL EXPERIENCE

#### Backend Developer | Pataak IT | May 2024 – 15 Aug 2025

- Implemented JWT authentication, role-based access control, and secure session handling.
- Designed and developed scalable REST APIs using Node.js + Express with layered architecture and modular services.
- Documented APIs using Swagger and automated testing using Postman Collections.
- Built microservices for order processing, dealer assignment, and installation workflows.
- Delivered backend modules for major projects including Winco and Fenetex.

#### Software Developer | Techusu Enterprises | 2020 - 2024

- Maintained and optimized applications, ensuring security, performance, and cross-device compatibility.
- Projects:** Dhantr CRM, Billing System (GST invoice and inventory management), V-Card, LMS (learning management system) institute, etc.

#### Web Developer | Tech Cato | 2019 - 2020

- Optimized backend performance through efficient database queries and integrated third-party APIs for payments and notifications.
- Projects:** Sales Management, Vehicle Management.

#### Web Developer | Gravit Infosystem Pvt. Ltd | 2017 - 2019

- Designed responsive, user-friendly interfaces, collaborating with designers and stakeholders to ensure cross device compatibility and smooth user experience.
- Projects:** Project Management System, Gaming Website.

#### Junior Software Engineer | I-Wish | 2016 - 2017

- Assisted in backend development, contributing to live projects with tasks like debugging, feature enhancements, and database handling.
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## EDUCATION

**Bachelor of Engineering (B.E.), Computer Science and Engineering (2011-2015)**

**CGPA: 7.8/10**

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## PROJECT EXPERIENCE (SELECTED)

### **Winco – Node.js, AWS S3, PostgreSQL, JWT, Microservices**

- Built a **Microservice Architecture**-based system with **Layered Architecture** to manage the end-to-end process of customized shutter and blind installations — from capturing window dimensions to product customization, order placement, dealer assignment, delivery, installation, and post-installation support.
- Implemented secure JWT-based authentication and AWS S3 file storage.

### **PDF Receipt Scanner - Node.js, SQLite, OCR, REST APIs**

- Built a **Monolithic Architecture**-based web application to automate the processing of scanned PDF receipts using OCR and AI techniques to extract key details (merchant name, date, total amount). Implemented file upload, validation, and Hashing based duplicate detection.

### **V-Card – Next.js, Node.js, PostgreSQL, Express Js**

- The **V-Card project** is a web-based platform that allows users to **create, customize, and share virtual visiting cards online**. The purpose of the platform is to **digitize traditional business cards**, making them easily accessible, shareable, and ecofriendly.

### **Dhantr CRM – CodeIgniter, Third Party Integration, Biometric Integration for fingerprint verification.**

- This is a **Dhantr (Financial Technology)** project designed to streamline and automate various financial services such as **payments, transactions, user wallets, commissions, and withdrawals**. The platform enables users to **manage their financial activities securely**, while also supporting admin-level controls for **monitoring, commission calculation, and fund distribution**.

### **Fenetex (2024–2025) – React.js, CodeIgniter, QuickBooks API, MySQL**

- This project is based on **window coverings**, where we manage the entire lifecycle of customized **shutter and blind installations**. users can **browse, customize, and place orders** for window coverings. The platform handles everything from quotation generation and dealer assignment to order confirmation, delivery, installation, and post-installation support.

## API DEVELOPMENT (MULTIPLE PROJECTS) – NODE.JS, EXPRESS.JS, SWAGGER, MICROSERVICE

- Developed and deployed **RESTful** APIs across different projects at Pataak IT. Focused on building modular and reusable **API components**, integrating with **third-party services**, and **documenting using Swagger**. Ensured API security through **authentication/authorization** mechanisms and maintained high performance through query optimization and caching strategies.
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## AWARDS & RECOGNITIONS

- Employee of the Year (3x), Techusu Enterprises Pvt Ltd.
- Employee of the Month, Pataak IT Pvt Ltd.