

# Govindraj Penshanwar

📍 Shivaji Nagar, Kopar(W), Mumbai | 📞 9049846234 | ✉ [govindpenshanwar32@gmail.com](mailto:govindpenshanwar32@gmail.com) | 🌐 GitHub | 🌐 LinkedIn  
Software Engineer – Backend (Node.js) | Full Stack Exposure

## Professional Summary

Backend-focused Full Stack Developer with **1.6+ years of experience** designing and developing **scalable, secure, and database-driven applications** using **Node.js, Express, PostgreSQL, and MongoDB**. Strong expertise in **API design, authentication & authorization (JWT, RBAC), business workflow automation, and backend architecture**, with solid frontend experience in **React.js**. Proven ability to lead projects, translate business requirements into technical solutions, and deliver production-ready systems.

## Technical Skills

**Frontend:** React.js, JavaScript, Typescript, Redux, HTML, CSS, Tailwind CSS, Material-UI

**Backend:** Express.js, Node.js, Nest.js, Rest API's, Socket.io, MVC Architecture, Authentication and Authorization (JWT, Bcrypt, RBAC)

**Databases:** MongoDB, PostgreSQL, MySQL, Relational Schema Design, Indexing, Transactions

**Other:** Microservices, Git, Docker, Requirements Gathering and Analysis

## Experience

### Metaphi Innovations

August 2024 – December 2025

Full Stack Developer

Mumbai, India

#### 1) CRM + Inventory + Warehouse Management System:

- **Role:** Lead Full Stack Developer
- Designed and developed scalable backend APIs using Node.js and PostgreSQL for CRM, inventory, and warehouse workflows
- Architected end-to-end business flows covering enquiry → quotation → sales → dispatch → procurement → inward → stock tracking
- Modeled complex relational database schemas to ensure real-time stock accuracy and traceability
- Implemented JWT-based authentication and RBAC to enforce role-specific approvals and data visibility
- Optimized backend queries to support high-volume inventory operations
- Led planning, backend architecture decisions, code reviews, and sprint execution for a team of 4 developers
- **Impact:** Unified CRM + inventory operations, Reduced dispatch delays and improved stock accuracy.
- **Technologies Used:** React, Node.js, Express.js, PostgreSQL, Material-UI, JWT, Bcrypt.js.

#### 2) Government Inventory and Asset Management System:

- **Role:** Lead Full Stack Developer
- Led the complete SDLC from requirement gathering to deployment for a multi-department government system
- Designed a secure, multi-department backend with approval-based workflows and audit logs
- Built asset intake, movement, depreciation, and verification APIs with PostgreSQL-backed reporting
- Implemented multi-level RBAC, ensuring sensitive data access only after proper authorization
- Mentored and coordinated a team of 8 developers, ensuring backend quality and delivery milestones
- **Impact:** Reduced manual tracking by 80%, improved audit readiness, and enabled approval-based access control across multiple government departments.
- **Technologies Used:** React, Node.js, Express.js, PostgreSQL, Material-UI, JWT, Bcrypt.js.

#### 3) PIWOT PAN IIT: Event Management System

- Built backend services for guest management, access control, and analytics
- Implemented **QR-based access system for 3000+ attendees**
- Developed **real-time polling** and survey features using Socket.io

- Integrated Firebase notifications for live event updates
- **Impact:** Real-time analytics for 3000+ users, Significant reduction in manual coordination efforts
- **Technologies Used:** MongoDB, React.js, Node.js, Express, Socket.io, Tailwind CSS, Material-UI, JWT, Bcrypt.js.

#### 4) ERP System for Factory Management

- **Objective:** Optimize factory operations through a tailored manufacturing ERP system.
- Designed end-to-end workflows from raw material intake → production → dispatch.
- Added multi-level approval-based RBAC to protect sensitive operations.
- Built dashboards for wastage tracking, inventory usage, and production throughput.
- **Impact:** Streamlined factory operations, Eliminated manual data inconsistencies
- **Technologies Used:** MongoDB, React.js, Node.js, Express, Tailwind CSS, Material-UI, JWT, Bcrypt.js.

### Cableguy (CATV) Pvt Ltd

*Jr. Software Developer Intern*

**May 2024 – August 2024**

*Mumbai, India*

#### 1) Server Management Project:

- Built a **multi-server monitoring & control system** with real-time resource tracking.
- Developed modular architecture: Admin server → Node client → Web & mobile clients.
- Implemented OTP login, server commands, and system health analytics.
- **Tech Stack:** PostgreSQL, React, Node.js, Express, Socket.io, Tailwind CSS, Material-UI, JWT.

#### 2) Finance Tracker App:

- Engineered a robust application for tracking expenses, policies, bills, and insurances, significantly enhancing user satisfaction.
- Enhanced UX by designing dynamic web pages using React, boosting user engagement.
- Developed notifications for due dates and updates, improving user interaction.
- **Tech Stack:** PostgreSQL, React, Node.js, Express, Tailwind CSS, Material-UI, JWT

### Personal Projects

---

#### Urbankicks (E-commerce App)

[Link](#)

- Built a secure, user-friendly online shoe platform with payments and product management
- **Tech Stack:** Next.js | MongoDB | JWT | Razorpay

### Education

---

**DES's Navinchandra Mehta Institute of Technology and Development, Mumbai**

**Nov 2022 – July 2024**

*MCA (Masters in Computer Applications)*

**SSBES's Institute of Technology and Management, Nanded**

**June 2019 – July 2022**

*BCA (Bachelors in Computer Applications)*

### Certifications

---

- 1) The Complete Web Development Bootcamp 2023, Udemy
- 2) React Basics, Meta-Coursera
- 3) Fundamentals of Digital Marketing, Google

### Achievements

---

- 1) Awarded the **Best Performance Excellence Award at Metaphi Innovation** for consistently achieving excellent results.
- 2) Received the **Appreciation Certificate for Best Project Excellence at Metaphi Innovation** for significant contributions to key projects.