

M JAYA KUMAR PATRA

Berhampur, Odisha, India | +91 78479 11696 | jayapatra2004@gmail.com

GitHub | LinkedIn | Portfolio | LeetCode

Professional Summary

Full Stack Developer skilled in building scalable web applications, real-time systems, and developer tools using Java, Spring Boot, Node.js, React, Next.js, MongoDB, and MySQL. Published an open-source npm SDK and developed production-grade platforms for observability, e-commerce, and order management. Strong foundation in Data Structures, Algorithms, OOP, DBMS, Operating Systems, and Computer Networks.

Technical Skills

Languages: Java, JavaScript (ES6+), SQL, Python, C++

Frontend: React.js, Next.js, Tailwind CSS, HTML5, CSS3, Material UI

Backend: Node.js, Express.js, Spring Boot, Spring Security, REST APIs, JWT Authentication, Socket.IO, WebSocket

Databases: MongoDB, MySQL, PostgreSQL, Redis

Cloud & DevOps: Docker, AWS, GitHub Actions, Vercel, Render

Tools: Git, GitHub, Linux, Postman, npm

Core CS: Data Structures & Algorithms, OOP, DBMS, Operating Systems, Computer Networks, System Design

Projects

PingNest – API Monitoring & Observability Platform | GitHub | Live

Jun 2026 – Present

Node.js, Express.js, Next.js, MongoDB, Socket.IO, JWT, npm

- Built a full-stack observability platform enabling developers to monitor API requests, response times, uptime, incidents, and service health through a centralized dashboard.
- Developed and published an open-source Express.js middleware SDK (pingnest) on npm, providing plug-and-play telemetry collection with minimal integration effort.
- Designed a telemetry ingestion and analytics pipeline using MongoDB aggregations to generate endpoint analytics, latency metrics, error insights, and health monitoring reports.
- Implemented configurable uptime monitoring with automated health checks, incident creation and resolution workflows, downtime tracking, and reliability reporting capabilities.
- Integrated Socket.IO-powered real-time telemetry streaming, JWT authentication, project-level API key management, and cloud deployment using Vercel, Render, MongoDB Atlas, and GitHub Actions.

QloudPrint – Real-Time Print Order Marketplace | GitHub | Live

Mar 2026 - May 2026

React.js, Spring Boot, MySQL, WebSocket, Razorpay

- Developed a multi-role print-order marketplace with dedicated customer, shopkeeper, and administrator dashboards.
- Designed and implemented RESTful APIs for authentication, order management, payment processing, file uploads, and analytics.
- Built real-time order tracking and queue management using WebSocket/STOMP communication for instant status updates.
- Implemented QR-based pickup verification, automated invoice generation, role-based access control, and secure Razorpay payment integration.

SNSF – Production Furniture Business Platform | GitHub | Live

Apr 2025 - Dec 2025

Next.js, Node.js, Express.js, MongoDB, Redis, Cloudinary, JWT

- Developed and deployed a production-grade furniture business platform managing a digital catalog of 280+ products with advanced search, filtering, and category-based navigation.
- Designed and implemented RESTful APIs for authentication, product management, analytics, and administrative operations.
- Improved application performance using Redis caching and Cloudinary media management, reducing database load and accelerating content delivery.
- Strengthened security with JWT authentication, Google OAuth, Role-Based Access Control (RBAC), and secure cookie-based session management.

Education

Veer Surendra Sai University of Technology (VSSUT), Burla

2024 – 2027

Bachelor of Technology in Information Technology | CGPA: 7.49 / 10

Sanjay Memorial Institute of Technology (SMIT), Ankushpur

2021 – 2024

Diploma in Computer Science and Engineering | Percentage: 83

Achievements

- Solved 160+ Data Structures and Algorithms problems on LeetCode.
- Published an npm package for API telemetry collection and monitoring.