

AMAR JYOTI PATRA

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PROFESSIONAL SUMMARY

Dynamic and results-driven Full Stack Developer with 3.3 years of experience designing, developing, and deploying scalable web applications using Java, Spring Boot, Node.js, and React.js. Proven expertise in optimizing application performance, enhancing security, and architecting microservices-based solutions. Adept at collaborating in agile teams, leveraging cloud platforms (AWS, Azure), and delivering robust, maintainable code. Seeking to contribute technical excellence and innovative problem-solving to a forward-thinking product team.

EXPERIENCE

Knoxpo

Surat, Gujarat

Software Developer

Feb 2023 – Jun 2025

- Developed and integrated IP-based rate limiting on both frontend and backend systems to mitigate potential DDoS attacks, enhancing overall application security and performance.
- Improved website SEO by 30% by integrating with a headless CMS (Kontent.ai) and optimizing site structure.
- Engineered a React.js role authorization system with JWT, boosting application security by 60% across all roles.
- Designed RESTful APIs and implemented caching with Redis, improving API response time by 28%.
- Pioneered a centralized Azure logging stream, enhancing observability and accelerating issue diagnosis by 50%.
- Upgraded microservice-based frontend application from Next.js v12.2.15 to v14.2.15 (LTS).

Sheshi

Bangalore, Karnataka

Software Engineer - Full Stack

May 2022 – Jan 2023

- Reduced page load time by 400ms through lazy image loading, verified via PageSpeed Insights.
- Revamped dashboard UI based on Figma specifications, improving visual consistency and reducing user-reported bugs by 40%.
- Developed a modular modal component architecture with reusable logic, reducing frontend code duplication by 60%.

PROJECTS

Airline Ticket Booking Application | Node.js, RabbitMQ, Microservices, MySQL, Sequelize, REST

- Architected a scalable microservices system using RabbitMQ for efficient asynchronous communication.
- Developed RESTful APIs to handle over 1000 concurrent requests, reducing server costs by 20% through optimization.
- Automated user notification workflows (account creation, etc.) using NodeMailer and cron jobs.

E-commerce Application with User Authentication, Payment Gateways | Spring Boot, Redis, JWT, OAuth2, Eureka Service Discovery

- Developed and deployed containerized microservices with AWS Elastic Beanstalk, using CI/CD for automated, scalable operations.
- Implemented Redis caching, boosting product listing performance by 30%.
- Integrated Razorpay and Stripe with webhook validation, reducing payment failures by 95%.
- Configured Eureka Server and clients for robust service discovery and fault tolerance.
- Built API Gateway with Spring Cloud Gateway for load balancing and efficient request routing.
- Designed secure authentication and authorization with JWT, OAuth2, and RBAC.

TECHNICAL SKILLS

Languages: Java, JavaScript (ES6+), TypeScript, SQL

Frontend: React.js, Next.js, Redux, Vue.js, Vuetify, Storybook, HTML5, CSS3

Backend: Spring Boot, Node.js, Express.js, RESTful APIs, Microservices

Databases: MySQL, PostgreSQL, MongoDB, Redis

Cloud & DevOps: AWS (S3, EC2, RDS, Cognito, Elastic Beanstalk), Azure, Docker, Git, CI/CD

Tools & Others: RabbitMQ, Kontent.ai CMS, GenAI, MCP Server, Low-Level Design (LLD), High-Level Design(HLD)

Testing: Jest, JUnit, Test-Driven Development (TDD)

EDUCATION

Indira Gandhi Institute of Technology, Sarang

Odisha, India

Bachelor of Technology in Electrical Engineering (CGPA: 7.58 / 10)

Graduated May 2019

- Relevant Coursework:** Data Structures and Algorithms, Electrical Machines, Control Systems, Power Electronics