JAY VARDHAN VASHISHTHA

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Objective

Enthusiastic backend developer with strong fundamentals in functional programming, distributed systems, and reliable API design, seeking to contribute to Juspay's high-performance payments infrastructure.

Education

National Institute of Technology Patna 2022 − 2026
B.Tech in Computer Science and Engineering *CGPA: 9.22/10.0*

Shanti Niketan Public School, Agra 2021 − 2022
Central Board of Secondary Education (Intermediate) *Percentage: 91.6%*

Technical Skills

- **Languages:** Java, Go, Scala (Basics), Haskell (Basics), C++, Python, JavaScript

- **Backend & Distributed Systems:** RESTful API design, Microservices, Kafka, SQS, gRPC (Basics)

- **Databases:** DynamoDB, MongoDB, MySQL, Firebase

- **Cloud/Infrastructure:** AWS (Basics), Docker (Basics), CI/CD (GitHub Actions)

- **Programming Paradigms:** Functional Programming, Event-driven Architecture, Reliability & Performance Engineering

Experience

Intern - ADRDE, DRDO May 2024 − Jul 2024
Agra, India

- Developed a web application backend integrating with SQL and Firebase for secure, real-time data handling.

- Optimized server-side performance reducing response times by 30%.

- Collaborated on API design and deployment pipelines using Git & IIS servers.

Projects

Musicly - Full Stack Music Streaming Application Dec 2023 − Jul 2024
Node.js, Express.js, MongoDB, Cloudinary

- Designed and implemented REST APIs supporting secure authentication (JWT) and music playback.

- Integrated scalable media storage with Cloudinary ensuring high availability streaming.

BTech Vision - Student Community App May 2023 − Mar 2024
Flutter, Firebase

- Integrated real-time chat, quiz engine, and task management backend using Firebase Cloud Functions.

- Implemented event-driven architecture improving system response time and scalability.

Achievements

- Codeforces Expert, CodeChef 3-Star, LeetCode Knight.

- Ranked 90/10,000+ in CodeChef Div 3; 201/20,000+ in Codeforces Div 2.

- 2nd place in NIT Patna Tech Fest ML Hackathon.

Positions of Responsibility

- IT Team Lead, ADRDE, DRDO (May 2024 − Jul 2024).

- App Developer (Flutter), HackSlash, NIT Patna (Mar 2023 − Jul 2024).