

Avinash

📞 +91-9794723866 | ✉️ avinash21997@gmail.com | 🔗 linkedin | 🐙 GitHub

EDUCATION

| | |
|---|---|
| Indian Institute of Technology (ISM) Dhanbad <i>B.Tech in Electronics and Communication Engineering – CGPA:7.52</i> | Dhanbad, Jharkhand <i>July 2018 – May 2022</i> |
| Mukularanyam English School <i>Senior Secondary Education in Science – 89%</i> | Varanasi, Uttar Pradesh <i>July. 2015 – May 2017</i> |
| Divine Sainik School <i>Secondary Education in Science – CGPA:9.8</i> | Varanasi, Uttar Pradesh <i>July. 2013 – May 2015</i> |

WORK EXPERIENCE

| | |
|---|---|
| Jio Platforms Limited <i>Software Development Engineer I</i> | Mumbai, Maharashtra <i>July 2022 – Present</i> |
| <ul style="list-style-type: none">• Inventory Management Service:<ul style="list-style-type: none">◦ Developed a high-performance, scalable, and vertically sharded Inventory Management System, managing 17 million products across 304k stores , processing 3 million reads and 100k writes per day, supporting both regional and PAN-India e-commerce delivery models.◦ Introduced MERN stack UI and Kafka-powered audit pipeline, automating accounting, root cause analysis, and operational workflows—reducing manual effort by 80%. Also, mitigated connection leaks, edge cases, and critical SQL injection vulnerabilities.◦ Engineered an asynchronous status update system using Quarkus-Java and event-sourcing on MySQL, ensuring only In-Stock products appeared on PLP, GMC ads and Facebook ads, processing 400k+ events daily, enhancing customer experience and ad efficiency.• Unicommerce Extension:<ul style="list-style-type: none">◦ Architected an event-driven system integrating external broker APIs and webhooks, enabling seamless data exchange between Jio Commerce Platform (JCP) and Unicommerce (UC).* Led the migration of services for 11 million JioMart users (SpringBoot, GCS, H2, Redis) to JCP, optimizing operational efficiency and reducing maintenance costs by 10x, streamlining integration across Reliance-acquired companies.◦ Developed a webhook processing system to transform, process and update shipment data, ensuring real-time state changes before forwarding results to Unicommerce.◦ Enhanced data processing efficiency by 30%, accelerating transactions between JCP and Unicommerce. | |

TECHNICAL SKILLS

Programming Languages: Java, C++, C, Python, JavaScript, SQL
Frameworks & Technologies: Spring Boot, Quarkus, ReactJS, Kafka
Cloud & DevOps: GCP, AWS, Kubernetes, Docker, CI/CD, Git, Jira
System Design & Methodologies: Microservices, Distributed Systems, DBMS, OOP, Concurrency, RESTful APIs
Databases & Storage: MySQL, PostgreSQL, Redis, MongoDB
Security & API Management: OAuth2, JWT, API Gateway, Role-Based Access Control (RBAC)

ACHIEVEMENTS

- **Jio Employee Recognition Award:** Recognised for exceptional contributions, consistently exceeding performance goals, and demonstrating a strong commitments to excellence.
- **Code Ownership:** Appointed as a code owner for the **UC Extension** repository, ensuring high-quality code reviews and maintaining the best practices.
- **Competitive Programming:** Solved 1000+ DSA problems across LeetCode, GeeksforGeeks, and HackerRank, showcasing strong problem-solving skills.