

# Manik Singhal

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## Professional Summary

Software Engineer with **2+ years of experience** building **scalable, distributed backend systems** in **enterprise environments**. Strong foundation in **data structures, algorithms, and system design**, with hands-on experience developing **RESTful APIs, containerized microservices, and event-driven architectures**. Proven ability to **optimize performance, improve system reliability, and deliver production-ready solutions** in cross-functional teams.

## Education

<b>University School of Information, Communication and Technology</b>	Aug 2019 - Jun 2023
B.Tech. in Electronics and Communication Engineering	
• CGPA: 8.95/10.0	

## Experience

<b>Associate Consultant</b> , Oracle – Noida, UP	June 2023 – Present
• Developed and enhanced <b>secure, scalable CRM modules</b> within <b>Oracle DBX</b> , delivering <b>high-performance backend systems</b> used by thousands of users.	
• Built <b>RESTful APIs</b> and backend services using <b>Node.js</b> and <b>Oracle JET</b> , integrating with enterprise systems such as <b>OEP, BRM, PDC, and UIM</b> .	
• Migrated legacy PHP modules to <b>Node.js</b> , reducing <b>API latency by 60%</b> and significantly improving <b>request throughput</b> .	
• Worked with <b>Docker</b> for containerizing services and ensuring <b>consistent deployments</b> across environments.	
• Implemented <b>Prometheus</b> and <b>Fluentd</b> monitoring from proof-of-concept to production, enabling <b>real-time observability</b> and faster issue diagnosis.	

## Projects

<b>FlowOps</b> [GitHub]	2025
• Designed and developed <b>FlowOps</b> , a <b>backend system</b> focusing on <b>reliability, scalability, and service coordination</b> .	
• Built <b>modular REST APIs</b> using <b>Node.js</b> with clean separation of concerns, integrating <b>Kafka</b> for <b>asynchronous event-driven processing</b> and <b>Redis</b> for <b>fast in-memory caching</b> .	
• Applied <b>system design principles</b> to structure components, manage <b>data flow</b> , and handle <b>failures gracefully</b> .	
• Added <b>logging, metrics, and basic monitoring</b> to improve <b>observability</b> , debugging, and overall <b>system efficiency</b> .	

## Skills & Technologies

**Programming:** JavaScript, Node.js, Shell Scripting, C++, SQL

**Tools & DevOps:** Docker, Prometheus, Fluentd, Postman, Git

**Frameworks:** Express.js, React, Oracle JET

**Other:** Distributed Systems, REST APIs, Microservices, Event-Driven Architecture (Kafka), Caching (Redis), Agile, System Design, DSA

## Certifications

- **Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate**  
*AI, ML, Generative AI, and OCI AI Services*  
Credential Verification