

Abhishek Tiwari

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[Portfolio](#) | [GitHub](#) | [Leetcode](#) | [GFG](#)

Professional Summary

Software Engineer with 3+ years of experience building scalable and distributed systems. Skilled in backend and frontend development, system diagnostics, and cloud infrastructure. Strong foundation in Go, Node.js, React, Docker, and Kubernetes. Proven track record in delivering high-availability systems, improving system performance, and ensuring compliance. Passionate about system design, testing best practices, and collaborating with cross-functional teams.

Education

MTech (Master's) in Computer Science | NIT Calicut | 2020 – 2022

BTech (Bachelor's) in Computer Science | BTKIT, Uttarakhand | 2015 – 2019

Professional Experience | July 2022 – Present

Software Engineer | NCR Voyix Corporation, Hyderabad, India

1. Designed and developed 3+ distributed microservices (Authentication, Configuration and Analytics/Monitoring) integrated with multiple POS systems, ensuring scalability and resilience.
2. Delivered 4+ end-to-end features using Node.js, React, and TypeScript, enabling seamless UX and high performance.
3. Achieved >90% test coverage across services, implemented CI/CD using GitHub Actions, and reduced deployment failures.
4. Collaborated with product, QA, and DevOps teams to align system improvements with business goals.
5. Ensured GDPR/CCPA compliance by architecting secure data flows and identifying PII vulnerabilities across services.
6. Reduced operational downtime by 80% through Prometheus monitoring, Grafana dashboards, and Go-based tools.
7. Proficient in debugging production issues using tool such as GCP logs explorer, Grafana and others to trace 1+Millions of lines of code and resolve service-level problems efficiently.

Projects

1. Portfolio: A highly interactive and modern personal portfolio built with **React + TypeScript + Tailwind CSS**, featuring elegant animations, dark mode, and a unique twist of personality. [click here](#)
2. Blockchain: Carried out a ledger and transactions integrity system in blockchain tech. [click here](#)
3. Hadoop Cluster (Big Data): Set up an 8-node Hadoop ecosystem; analyzed high-cardinality data from UIDAI, aviation, and financial datasets. [click here](#)
4. NGSCO Diagnostic Tool (Go): Architected and applied a CLI/GUI tool to diagnose container-based environments; reduced triage time by 80%. Top 10 in NCR Global Hackathon.
5. COVID-19 Drug Prediction (Python): Applied MT-DTI deep learning model on Kiba, Davis, and PubChem datasets to identify potential therapeutic drugs.
6. AI Agent (Dialogflow + GCP): Built a virtual assistant for production log and metric queries using Prometheus and Cloud Functions; accelerated diagnosis across 10+ teams.

Technical Skills

Languages: Go, C++, Python, JavaScript, TypeScript, Java

Frameworks: Node.js, React, Blockchain

Cloud & DevOps: GCP logs Explorer, AWS, Kubernetes, Docker, Helm, GitHub CI/CD

Databases: Redis, MySQL, SQL, MongoDB, BigQuery, DynamoDB

Tools: Prometheus, Grafana, Jira, Git, VSCode, Grafana, Looker, DataLake, Figma

Other: System Design, Agile, OAuth2.0, OIDC, NLP, MQTT

Certifications & Awards

1. On successful demo to customer and leadership team covering 95% of customer's wish list of features. [Click here](#) [2nd](#)
2. Winner - Hyderabad Innovation Challenge hosted by NCR. [Click here](#)
3. On completing GDPR/CCPA compliance work and achieving high security standards of the product. [Click here](#)
4. HackerRank – [Problem solving](#) and [SQL](#)

Publications

[Multimodal Data Fusion Framework for Fake News Detection](#)

IEEE INDICON 2023 – DOI: [10.1109/INDICON56171.2022.10039737](https://doi.org/10.1109/INDICON56171.2022.10039737)