

# NIKHIL SHARMA

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## Work Experience

### Nagarro

#### Staff Engineer

Sep 2017 – Present

- **Developed and optimized** Quarkus/JavaEE microservices, deployed with **Helm on Kubernetes**.
- **CI/CD & Cloud:** Automated deployments with **Azure DevOps**,
- **Monitored** application and underlying system using **Prometheus, Grafana & ELK Stack**.
- **Optimized and enhanced** product features using **Java** resolved code issues, and improved system performance, resulting in a 20% speed increase.
- Led **Microservice & Application Programming Interface (API) development** and collaborated with development & support teams, ensuring smooth product management and achieving 99.9% uptime.
- **Designed and developed** components in **ReactJS** for better UI/UX.
- **Gathered requirements, conducted code reviews**, implemented design changes, and analysed impacts, resulting in an increase in efficiency.
- Worked in **agile and scrum-based** environment, ensuring timely delivery and adaptability to changing requirements.
- **Migrated** the monolithic application to microservices on **Azure Cloud using Strangler Pattern**, improving scalability and reducing infrastructure costs by 20-30%.

### Hughes Systique Corporation (HSC)

#### Java Developer

Apr 2016 – Sep 2017

- **Java & API Development:** Built REST APIs using Spring Boot, optimized for scalability.
- **Containerization:** Dockerized applications for streamlined deployments.

### CDAC, Pune

#### Project Engineer-1

Sep 2013 – Apr 2016

- **Java GIS Application Development:** Built and maintained enterprise GIS applications.

## Technical Skills

- **Requirement Gathering:** Agile Methodology, Client Meetings, Consulting
- **Development:** Java, Quarkus, JavaEE, Spring Boot, REST APIs, Microservices, ReactJS
- **CI/CD and DevOps:** Docker, Kubernetes, Helm, Azure DevOps, Github, Maven
- **Monitoring & Logging:** Prometheus, Grafana, Elasticsearch, Logstash, Kibana Stack
- **Application Maintenance:** Performance Optimization, High Availability, Troubleshooting

## Projects

### TANGO – Airline Operational Flight Data Management System

- Developed and maintained **TANGO**, a backend system managing Lufthansa's operational flight data within a **-9-to-+7-day window**.
- Engineered a **real-time data distribution** mechanism for seamless integration with **airline users and systems**.
- Designed a **multi-customer platform** to facilitate operational flight data management across **airlines, airline groups, and contracted handling agents**.
- Ensured **IATA compliance** and implemented proprietary message handling for regulatory adherence.
- Optimized system **performance and scalability**, enabling processing of **50,000+ movement messages per day** in a **mission-critical environment**.

## Education

- **Diploma in Advanced Computing** | (CDAC), Pune (2012 – 2013)
- **B Tech.** (Computer Science) | Gurgaon Institute of Technology and Management (2008 – 2012)
- **Class 12<sup>th</sup>, 10<sup>th</sup>** | Swami Uma Bharti Public School (2006 – 2008)

## Cloud Certifications

**GCP Associate Cloud Engineer**,

**GCP Cloud Leader**

**Azure Fundamentals**