

SIDDHARTH MAHAJAN

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SKILLS

- **Cloud, Infrastructure & DevOps** | Docker, Podman, Kubernetes, Rancher, Istio, Azure, AKS, AWS(basic), VMware, Service Mesh, Nginx, Git, GitHub, CI/CD, Linux, Windows
- **Programming & Scripting** | Java, C, C++, Python, Shell, PowerShell, Shell Scripting, Python Scripting
- **Frameworks & Web Development** | Spring Boot, Spring Cloud, Spring Security, Vue.js, Quasar, HTML, CSS, Wireframing
- **Data Management & Monitoring** | MySQL, PostgreSQL, OpenSearch, Prometheus, Grafana, Kafka, Nifi
- **API & Security** | APISIX, WSO2 Gateway, Keycloak

WORK EXPERIENCE

Astreya, Remote, India – *Software Engineer I*

(June 2025 – Present)

- Contributed to designing and developing system architecture to support team operations and project scalability.

NEC Corporation India Pvt Ltd., Noida, Uttar Pradesh – *Member Technical Staff*

(April 2025 – June 2025)

- Designed and integrated 4+ end-to-end data pipelines for smart city initiatives, streamlining data unification and enabling real-time decision-making.
- Deployed and orchestrated an EFK logging stack with Istio service mesh across Kubernetes clusters, boosting system observability and accelerating root cause analysis by 50%, which contributed to a 30% drop in service interruptions.
- Contributed to architecture enhancements that facilitated the seamless onboarding of 5+ vendors, expanding platform scalability and improving ecosystem interoperability.

LTIMindtree, Noida, Uttar Pradesh - *Software Engineer*

(July 2022 – March 2025)

- Administered and tuned 5+ Kubernetes clusters powering an AIOps platform, sustaining high performance and availability for enterprise clients; integrated Istio service mesh to refine traffic routing and monitoring, elevating traceability to 80% and enhancing system stability.
- Conducted in-depth evaluations of 5+ cloud-native technologies in service mesh, orchestration, and API gateways; recommendations directly shaped scalable and resilient system architecture.
- Architected and launched a custom API Gateway solution, enabling full request traceability and robust observability; successfully migrated to production with secure operational handover.
- Automated critical infrastructure tasks with 10+ Bash and Python scripts, increasing environment provisioning consistency and reducing setup time by 20%.
- Assessed and provided feedback on four technical training cohorts, driving improvements in team readiness and technical competency across projects.
- Operated a high-scale search engine aggregating terabytes of telemetry data from varied client environments, enhancing monitoring depth and actionable insights.
- Delegated tasks and streamlined collaboration within the team, accelerating delivery timelines and minimizing bottlenecks for key customer solutions.

CERTIFICATIONS

- **INTERNSHALA Web Development Certification:** Certified in end-to-end website development, including responsive design and database integration.
- **LTI Certified Cloud & Infrastructure Service Professional:** Certified in Installation, configuration, and administration of Windows Server 2016, Cisco Switching & Routing, Virtualization, PowerShell Scripting, Basics on Azure & DevOps
- **LTIMindtree Certified ITOPS Automation (Foundation) Engineer:** Certified in IT Foundation & Essentials, ITOPS Automation with specialization in Git, Java Basics and Utilities, Docker, Kubernetes

EDUCATION

- **Masters of Computers Application, JAIN University, Bengaluru:** June 2022 – August 2024
- **Bachelor of Computer Application, Guru Gobind Singh Indraprastha University, Delhi:** June 2019 - June 2022

ACHIEVEMENTS

- Received **Spotlight Award in March 2023** for rapidly mastering Platform (JORITZ) Core and Istio; delivered live Service Mesh demo that shaped the platform's architectural direction, reducing decision-making time by 30%.
- Awarded **Spotlight Award in June 2023** for pioneering advanced technologies; successfully implemented Service Mesh architecture, ensuring robust design principles and achieving a 30% increase in system scalability.
- Appreciated as a **Technical Subject Matter Expert in June 2024** for contributing to the automation academy training from April 2023 to March 2024.