

Nirmalya Mondal

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Education

Midnapore College

Bachelor of Science in Computer Science (CGPA: 7.21 / 10.00)

2018 – 2021

Midnapore, West Bengal

Experience

Infosys || Senior Systems Associate

Clients - Syngenta, Ely Lilly, Mercedes

Feb 2022 – Present

Bhubneshwar, Odisha

- Spearheaded the adoption of GitLab CI/CD and Argo CD for streamlined development workflows, resulting in a 40% reduction in release time.
- Received commendation for resolving critical AWS VPC issues, resolving peering problems for a development team.
- Collaborated with cross-functional teams to ensure seamless project delivery in an Agile environment.
- Managed and maintained Kubernetes clusters, ensuring high availability and scalability for containerized applications. Implemented rolling updates and automatic scaling to accommodate increased workloads during peak usage periods.
- Designed and implemented Jenkins-based CI/CD pipelines, automating end-to-end CI/CD processes, reducing deployment errors.
- Set up Kubernetes Ingress and Ingress controller from scratch, optimizing application routing and resource allocation.
- Documented test results and issues encountered, facilitating efficient debugging and problem resolution processes.
- Demonstrated excellent troubleshooting skills, swiftly resolving hardware and software issues to minimize downtime.
- Experienced in working within different automated testing frameworks, including Java, JUnit, Selenium, TestNG and other open-source projects..
- Strong knowledge of various communication and networking protocols, such as TCP/IP and Data Distribution Service (DDS), with expertise in software architecture design.
- Experienced in incident management within an IT service management framework.
- Spearheaded the coordination and resolution of IT incidents, ensuring alignment with service level agreements (SLAs) and swift restoration of services through the implementation of streamlined incident resolution procedures.
- Established and maintained robust escalation procedures to promptly address incidents based on severity and ensure adherence to Service Level Agreements (SLAs), fostering efficient collaboration with support teams and management for expedited incident resolution.

Technical Skills

Languages: JAVA, Python

Web technologies: HTML5, CSS3, JAVASCRIPT, React, Shopify

Cloud Technologies : AWS, GCP

Build Tools : Maven

Container Technologies : Docker, Kubernetes

Scripting : Shell, VB Script

OS: Linux, MacOS, Windows

Version Control System: Github, Git, Gitalab

CI/CD Tools : Jenkins, Circle CI

Test Automation : Selenium, UFT, ALM,

Management Skills: Incident management, ServiceNow, Jira

Projects

DevOps Project | HTML5, CSS, React, Bootstrap 5, Figma, Cloudflare, Docker, Jenkins, CodeQL, CI/CD

- Utilized **Jenkins, Git, CodeQL and Docker** for automated CI/CD pipelines and configuration management, leading to a **40% boost** in deployment speed and heightened infrastructure reliability.
- Implemented **DevOps** practices, integrating **Docker, Jenkins, and Git** to establish automated **CI/CD** pipelines, fostering seamless collaboration and ensuring consistent, **high-quality** software releases.

- Revamped **UI** design process by implementing **Figma** as the primary design tool & reduced handoff time by **50%**.
- Streamlined website loading times by optimizing code, resulting in a **40%** decrease in bounce rate and an **18%** increase in average session duration.

NAS System — Storage Server | *Cloud Infrastructure, Cloud, Docker, Domain Name System(DNS), Bash, Raspberry Pi*

- Designed and implemented a secure **NAS** a rack-level hardware, including loading and configuring operating systems using **Raspberry Pi, Casa OS, Tailscale & NextDNS** achieving a **30%** improvement in data storage security.
- Enhanced network privacy with **Tailscale** VPN and **NextDNS** for encrypted communication and protection against malicious activities.
- Customized solution for networks, ensuring secure data storage and efficient network management.

Achievements

- Achieved **2** well-deserved promotions within a span of **12 months** demonstrating exceptional performance and consistent contributions to project success.
- Submitted **10+** pull requests to **GitHub** in October as part of the completion of the **Hacktoberfest 2023** challenge by Digital Ocean.
- Demonstrated expertise in managing scripts within Jira, streamlining the tracking and execution of **100%** test cases.

Certifications

- INTERNAL CERTIFICATION | Infosys Certified Google Cloud Practitioner
- INTERNAL CERTIFICATION | Infosys Certified AWS Cloud Practitioner