Bibhas Dutta

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SUMMARY

DevOps Engineer | File Management Specialist

DevOps Engineer with 2+ years of expertise in Healthcare Domain. Skilled in file management and DevOps practices, dedicated to ensuring smooth software delivery and team success.

EXPERIENCE

Associate| Cognizant Technology Solutions.   February 2024 - Present
- Designed, deployed, and managed cloud infrastructure on AWS EC2 and Azure platforms (managed 5+ instances).
- Implemented CI/CD pipelines with Jenkins to streamline and automate production releases for client projects..
- Monitored and maintained cloud infrastructure health and performance..
- Closely monitored and restarted services in production environments
- Performed comprehensive server and application health checks using Prometheus and Graphana monitoring tools for proactive issue identification and resolution.
- Provided production support during deployments, ensuring smooth and successful releases.
- Analyzed partner inquiries, diagnosed errors, and recommended solutions. Monitored file transfers (FTP, SFTP, PeSIT) and notified partners of failures. Managed user/webtrader/FTP/SFTP passwords and external partner keys (SSH, PGP). Validated file transfer setups and coordinated ADHOC file transfers with partners. Generated daily reports on file failures using DBVisualizer and analyzed logs.

Junior Software Engineer | Cognizant Technology Solutions.   February 2023 - 2024
- Service Management: Closely monitoring and restarting services in production environments to minimize downtime by 20% and ensure service reliability.
- Application Health: Skilled in conducting comprehensive server and application health checks using Dynatrace monitoring tools, enabling swift issue identification and resolution.
- Release Management: Effectively set up Jenkins pipelines for smooth and e-client production releases. Additionally, I've offered critical production support during release activities.
- File Management: Skilled in utilizing AXWAY for e-client file management and implementing SQL queries to retrieve daily file failure data, improving data integrity and accessibility.

Programmer Analyst Trainee | Cognizant Technology Solutions   February 2022 - 2023
- Extensive training in API testing, utilizing tools like Apigee and Postman.
- Hands-on experience in designing, executing, and assessing API test scenarios.
- Acquired skills to enhance API robustness, security, and performance.

Design Engineer | Infi League Motorsports   January 2021 - December 2021
- The role encompassed designing electrical components and circuitry.
- These designs specifically focused on an ATV (All-Terrain Vehicle).
- The primary emphasis of the role was creating effective and client electrical systems for the vehicle.

Content Writer | Synergy Eduservices   December 2020 - January 2021

PROJECTS

Competitive enterprise contact management portal sector | Self Project   January 2023 - Present

- Create an uninterrupted deployment pipeline with a focus on comprehensive testing, reduced maintenance, and optimal reusability, alongside a colleague.
- Efficiently deploy foundational services using Ansible, enforce strict CI/CD processes, and ensure vigilant infrastructure monitoring.
- Leverage AWS native services for cloud deployment, enhancing scalability, flexibility, and cost-efficiency.

Modified Home Automation System| College Project   June 2021 - August 2021

- The objective was to create solar-powered home equipment automation using various sensors.
- A team of 5 members, led by the project designer (the requester), proactively developed the system, integrating both hardware and software components in Proteus.
- The project encompassed elements like LDR, ultrasonic sensors, motors, and lights for Extensive automation.

SKILLS

- **Technical Abilities: -** Linux, Python/shell scripting, DBMS using MySQL, DevOps, CI/CD pipeline, File management, Monitoring.

- **Tools Learnt**: - Jira, GitHub, Jenkins, Docker, Kubernetes, Prometheus, Graphana, Axway.
- **Interpersonal Abilities**: Communication, Teamwork, Time Management.
- **Languages**: Bengali, English, Hindi

EDUCATION

● Bachelor of Technology - BTech, Electrical Engineering | Asansol Engineering College	**8.8 DGPA| Sept 2018 – Sept 2021**
● Diploma, Electrical Engineering | Shree Ramakrishna Shilpa Vidyapith	**7.5 CGPA | Aug 2015 – Aug 2018**
● Higher Secondary | Bidhan Chandra Institution, Durgapur, West Bengal	**May 2013 – May 2015**
● Secondary | St. Xavier's School, Durgapur, West Bengal	**April 2012 – April 2013**

CERTIFICATIONS

● Microsoft Azure - AZ 900	**2023**

ACHIEVEMENTS

- Indian Airforce SSB recommended for AFCAT Entry

- Indian Army SSB recommended for Officers Entry