Sanskar Jaiswal

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PROFESSIONAL SUMMARY

Software Engineer with 2 years of experience, specializing in **DevOps** and **Backend Development** using **.NET** technologies. Skilled in building scalable, secure, and high-performing web applications and designing robust RESTful APIs. Proficient in continuous integration, continuous delivery **(CI/CD)**, cloud technologies, and **container** orchestration. Hands-on experience in developing secure and efficient solutions that streamline software delivery **pipelines**, ensuring seamless integration and deployment across multiple environments. Passionate about delivering high-quality code with a strong focus on both development and operational excellence.

TECHNICAL SKILLS

Programming Languages & Tools - Git | GitHub | **Jenkins | SonarQube** | Nexus Repository | UrbanCode Deploy | **Docker** | **Kubernetes** | **HelmCharts** | Rancher | Linux | **React** | Redux-Thunk | Formik |TypeScript | Javascript | HTML | CSS | C# | **ASP.NET Web API | Entity Framework** | MVC | SQL | Postman | VS-Code | Azure Cloud (Web Apps / Blob Storage / Virtual Machines) | Azure DevOps | (**CI/CD, IAC, Release, Security Pipelines**) | Containerization | Terraform | **YAML| Groovy** | Figma | Scrum | Agile

WORK EXPERIENCE

Wipro

Lloyds Bank   *April 2023 – Present*

- Contributed to the development of a billing application for customers performing pension searches by enhancing the Web API to optimize backend processes and improve overall system performance.
- Developed a Proof of Concept (POC) for a scalable full-stack application leveraging .NET for the backend and React with TypeScript on the frontend. Implemented Formik for robust **form validation**, integrated React-Redux with Redux Thunk for efficient **state management and asynchronous API handling**, and seamlessly connected the frontend with the backend to manage and persist data in an MSSQL Server. The entire solution follows **Clean Architecture principles**, ensuring maintainability and scalability, and is fully containerized to enable smooth and consistent deployments across environments.
- Maintained and enhanced a Web API for delivering personalized insurance recommendations by implementing advanced **optimization techniques** and user-specific caching strategies, significantly improving performance, response times, and overall system efficiency for authenticated users.
- Developed RESTful end-points for efficient data management to update incidents in real time, using Oracle DB.
- Facilitated **Daily Scrum meetings** and guided incremental development, **aligning cross-functional teams** to ensure consistent delivery throughout the project lifecycle. Enhanced collaboration, reduced development cycle times, and improved the delivery of features that effectively met customer requirements.
- **Designed and implemented CI/CD pipelines** using Jenkins, Sonarqube and UrbanCode Deploy (UCD), enabling efficient sprint-based releases. **Reduced deployment time by 70%**, minimized manual errors and ensured faster software delivery.
- Dockerized .NET applications built with Clean Architecture and repository patterns, along with React-based frontend, ensuring modularity and scalability. Leveraged Docker best practices for **multi-stage builds, optimized image sizes**, and efficient container orchestration.
- Created snapshots with **proper versioning for each sprint cycle/releases** using Urban-Code-Deploy(UCD) and updated the EOTR .
- Containerized applications deployed using Helm Charts and managed using Docker, Kubernetes and Rancher, ensuring **high availability and fault tolerance**. Automated pod maintenance with Cron jobs in Jenkins for cleanup tasks. Enhanced **infrastructure management, reduced storage cost**.
- Led the deployment and release process of a .NET application using Azure Pipelines, integrating security(**Snyk integration**) best practices and leveraging **Azure Container Registry (ACR)** for robust versioning and rollback strategies. Successfully deployed the application as a containerized service on Azure Kubernetes Service (AKS), ensuring **scalable, reliable, and seamless** operations.

CERTIFICATIONS

- Azure Administrator Associate (AZ-104)
- Azure Fundamentals (AZ-900)
- Azure AI Fundamentals (AI-900)

PROJECTS

- Portfolio
- E-CommerceApplication

EDUCATION

Silicon Institute of Technology   Odisha
Bachelor of Technology in ECE, CGPA: 7.85   *2018 – 2022*

Vikas Residential School   Odisha
Senior Secondary Education (PCM), Percentage: 72%   *2015 – 2017*