Asish Bishoi

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Bengaluru, Karnataka, India

**SKILLS AND CERTIFICATIONS**

**Technical Skills:** Amazon Web Services (AWS), Terraform, Python, Full Stack Development in NodeJS, Angular, MySQL, JavaScript, NoSQL

**Tools:** Jira, CI/CD Pipelines, GitHub Actions, Infrastructure as a Code (IaC)

**Certifications & Training**: AWS Cloud Practitioner (CLF-C01)

**WORK EXPERIENCE**

**Tata Consultancy Services (TCS)** ***Bengaluru, Karnataka, India***

*Systems Engineer* 11 July 2022 – 21 May 2024

* Collaborated with a cross-functional team, originating from different geographic locations to successfully migrate applications to AWS, utilizing a range of AWS services such as S3, Lambda, Glue, Redshift, etc.
* Optimized the AWS Infrastructure, improving overall security and reducing compute costs for AWS Lambda Functions by almost 60% (was CAD 7500/month).
* Designed and implemented an automated scheduler for the Redshift cluster, resulting in a 40% cost reduction (was CAD 11000/month)
* Provided guidance to team members on using CI/CD pipelines for cloud infrastructure deployments and implementing AWS best practices.
* Implemented Microservice based approach for independent deployment and scaling of application.

**Nirmalya Labs Pvt. Ltd.** ***Bhubaneswar, Odisha, India***

*Software Development Engineer II* 22 June 2020 – 13 June 2022

* Developed full-stack web applications which processed, analyzed, and rendered data visually, supporting over 50,000 concurrent users.
* Worked with design and QA teams to ensure a seamless, high-quality user experience.
* Built custom, enterprise level data visualization tools, featuring interactive graphical interfaces to enable real-time data exploration and generation of various analytical reports.
* Mentored team member on utilizing the Kibo E-commerce platform, and optimizing and enhancing security of data stored on Database.

**PROJECTS**

**Migration of Payments Data Using ETL Workflow for Bank of Montreal, Canada**

* + - Developed and implemented cloud infrastructure with Typescript and Terraform, enabling the migration of over 2 TB of payment data from on-premise servers to AWS Cloud
    - Utilized CI/CD pipelines for a streamlined deployment of cloud infrastructure
    - Planned and implemented a solution to automate the storage of configuration data in DynamoDB tables, using Lambda function, for enhanced ETL workflows
    - Engineered a User Defined Function (UDF) leveraging AWS Lambda Function to decrypt sensitive payment data within Redshift for PowerBi-driven reporting

**Cloud Migration of Contact Centre to AWS for Panasonic Corporation, USA**

* + - Collaborated with a team of 4 members for migration of contact center operations to AWS, while ensuring minimal impact on crucial business functions.
    - Configured Contact flows, Queues, Routing Profiles, Users, Agents, and working hours in AWS Connect, and a guided chatbot using Amazon Lex, to enhance customer engagement.
    - Integrated the Amazon Lex chatbot with a DynamoDB table through a Lambda function to dynamically retrieve user details, personalizing the customer experience.

**Online Applications for Various Election Nominations for State Election Commission, Odisha, India**

* + - Developed a full stack web application, to digitize the process of filing of nomination of electoral candidates, ensuring efficiency and accuracy for election procedures.
    - Implemented online payment for nomination fees, and online and offline withdrawal processes of candidate’s application.
    - Created an interface for electoral officers to evaluate candidate eligibility.
    - Deployed application on Linux based cloud production environment.

**E-Commerce Website for Selling of Dress for Utkarshakala, Odisha, India**

* + - Developed and maintained ecommerce website, including product catalog, checkout process, and payment gateway integration
    - Created and managed content for website, including product descriptions, blog posts, reviews by customers and other marketing materials
    - Designed and implemented a portal facilitating administrators in managing product listings, generating promotional coupon codes, overseeing order processing and shipping status.

**Management of Order using Kibo E-Commerce Platform for Reeds Jewelers, USA**

* + - Implemented API integration for order creation, payment capture, cancellation, and refunds for different order types (Ship to Home, Pickup, POS Orders) for Reeds Jewelers.
    - Developed functionalities to manage registered customers and shop owners within the system.

**EDUCATION**

**Veer Surendra Sai University of Technology Sambalpur, Odisha, India**

Sept. 2014-June 2018

* Bachelor of Technology (B. Tech) in Electrical Engineering