Rupayan Roy

Portfolio   Github   LinkedIn

+91 - 9566211693
rupayan.roy16@gmail.com

Experience

Infosys Ltd. | Systems Engineer

Dec 2019 - Present

- Working with **MarketAxess** account as a **Cloud Devops Engineer**, offering them an Infosys service called **ITRS** as SaaS on **Amazon Web Services.**

- Configured **deployments** using **Terraform** that reduced the disaster recovery time to **65%**

- Streamlining release pipelines by automating **S3 bucket** downloads and uploads that trigger **CodeBuid.**

- Configured **IAM** roles, groups and policies and ensuring least privelage access.

- Performed health checks on **ALB**, **NAT** and **EC2** instances by using **CloudWatch** to ensure resiliency.

- Ensured security of instances by automating patches and identifying security threats on **Amazon Systems Manager**

- Ensured **high availability** and **resiliency** by analysing usage metrics and determining thresholds used by **Auto Scaling Group.**

- Created an internal tool using **Python** that automated file parsing reducing time from **3 Mins** to **10s.**

Projects

PassOne | Full Stack Mobility App | Github

- Stores **multiple** user passwords for ease of access.

- Frontend was built using **React-Native** and **Expo CLI.**

- Backend and authentication was managed through **Firebase** using **Firebase SDK**

- Encryption was done using **SKRYPT** Cryptographic algorithm.

Cryptic | Chat system | Github

- Asynchronous chat systems for the web. Users can communicate 1-1 or 1-many.

- Frontend was built using **React** with **styled components.**

- Backend was engineered using **mongoDB** and logic was implemented using **Python (Django).**

Skills

Programming Languages

C/C++ • Python • JavaScript • PHP

Frameworks

React.js • .NET • Express • Django

Databases

MySQL • MongoDB

Infrastructure Technolgies

AWS • Kubernetes • Docker

Tools

Postman • Git • Visual Studio

Interests

- Data Structures • Algorithms
- Software Engineering • Problem Solving
- System Design • OOPS

Certifications

- Java Programming: Solving Problems with Software

- Python Data Structures and Algorithms

Education

- Bachelor's in Technology - SRM IST, Tamil Nadu
  Btech % - **81%**
  2015 - 2019

- Class 12th - Bhavan Vidayalaya
  Overall % - **88%**
  2015

- Class 10th - Bhavan Vidayalaya
  CGPA - **10**
  2013