

## Sourav Sarkar

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**Industry Work Experience:** 2 years 1 month (Cloud Computing)

**Mobile:** 8016110058

### Career Objective :-

To acquire a challenging position in an environment where I can best utilize my skills and experience to add value to the organization and society.

### Educational Qualification:-

Degree	School/College	Year Of Passing	Aggregate %/CGPA
M.Tech. (CSE)	Indian Institute of Technology, Hyderabad	2022	---
B.Tech. (CSE)	B.P. Poddar Institute Of Management & Technology, Kolkata	2016	8.21(CGPA)
12 <sup>th</sup>	Suri Public & C.M.M. High School	2012	69.2%
10 <sup>th</sup>	Birchandrapur N.N. High School	2009	73.37%

### External Certification:-

- AWS Certified Developer –Associate.
- Certified in 70-533 Implementing Microsoft Infrastructure Solutions.

### Skills :-

- C, C++, Python, Data Structure, Algorithm, Computer Networking
- Amazon Web Services.
- Chef, Docker, ServiceNow.
- Web developing.

### Professional Experience :-

**Company Name:** Cognizant Technology Solutions (July 2016-August 2018)

**Role :** Cloud Developer at Cognizant

- To analyze repeated tasks in project and automate those tasks using any programming language.
- Used AWS services EC2, Cloud Watch Alarm, VPC, S3 bucket, Glacier and IAM, ELB to set up new the customer environment.
- Troubleshooting of tickets related to Memory,CPU,Disk utilization, URL down, ELB and log related issue.
- Managing security measures for infrastructure. Security groups for EC2 compute, Managing IAM Users and Simple Storage Service(S3).
- Used Chef for several clients for patching and configuration of servers for different clients.

### ProjectDetails:-

#### ❖ 5G Testbed (Ongoing)

- Create end-to-end 5G Testbed
- **Utility:** 5G testbed that support enhanced mobile broadband (eMBB), Ultra low latency communication (URLLC), and massive MTC including NB IoT services.

#### ❖ Automation of creation of Statement of Work.

- Created an web application using Drupal and PHP to automate the whole process to creation of SOW.
- **Utility:** Reduced time for creating SOW from 2 to 3 weeks' time to 1-2 days.

#### ❖ **Backup Automation.**

- Created AWS Lambda function to take backup of EC2 instances and scheduled it according to customer's need.
- **Utility:** Instead of dedicated employees (to take backup of every resources manually from AWS portal) to automated process.

#### ❖ **Automation of incident ticket response and assignment.**

- Using Python and Selenium created a BOT which will automatically respond to incident tickets which comes on ServiceNow portal and assign to respective team by judging the ticket severity and other parameters.
- **Utility:** Job of dedicated team of 22 employees to monitor ServiceNow portal for 24\*7 to automated process using this BOT.

#### ❖ **Auto discovery script for AWS and Azure resources.**

- Our customer use to create resources like Virtual Machine, RDS instance using ARM templates. So we had difficulty to on-board those resources and charge them accordingly as we had to manage these resources too.
- This script was running 24\*7 and whenever any new resources get created, we get a notification which includes all the information about those resources.
- **Utility:** It made whole on-boarding process of resources very easy.

#### ❖ **Human Resource Management System (Web app using J2EE,SQL)**

- Designed the interfaces of application and coding
- A web application to track all the employees of a company. Tasks like new employees on-board, managing their salaries, promotions of employees, leaves management etc. can be done easily using the application.

#### Achievements:-

- Got Orbit Shifter badge at Cognizant (Top 2% of performer among all fresher).
- Gate CSE 2019 qualified.
- Discipline Core member at ELIXIR-16 (BPPIMT college fest).
- Went to final round of inter college programming event Fanta-C.
- Sunshine PG mentor at IIT Hyderabad.

#### Hobbies:-

- Cricket (Played inter college tournaments)
- Carom (Won college Carom double championship)