**Soumyadeep Dey**

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# Summary

IT Engineer with over 1 year of hands-on experience in the area of systems administration.

Provided support on Windows client and server systems while implementing solutions on firewall security, group policy, and domain based networking protocols.

Flexible professional with experience in understanding cyber threats against corporate systems. Exemplary expertise in identifying vulnerabilities with routine maintenance tasks, including troubleshooting, testing, and updating applications and software.

In-depth technical understanding of multi-platform operating system environments like Windows and Linux, servers, cloud computing, networking, devops and DBMS.

# Skills

**Programming Languages: Python, C, JAVA, Shell Scripting, SQL, and PL/SQL**

**Data Serialization Languages: YAML, and JSON.**

**Markup Languages: HTML5 and XML.**

**DBMS : Oracle 12c, Oracle 19c, MySQL and MongoDB.**

**Operating System: Windows 7, Windows 8, Windows 10, Linux Ubuntu, Linux CentOS, and**

**RHEL.**

**Platforms: Docker, Kubernetes, Docker Swarm, Amazon Web Services (AWS).**

**Coding Tools and Technologies: Anaconda, Jupyter Notebook, Spyder, Sublime Text 3, Selenium, Microsoft Visual Studio Code, and PyCharm.**

**DevOps Tools: Git,** Github, Jenkins, Jira, Kubectl, Kubeadm, Kube-proxy, Ingress, Docker Compose, Dockerfile, Nagios, and Ansible.

**Server and NetworkingTechnologies:** Windows Server 2016, Windows Server 2019, Active Directory, Hyper-V, Virtual Box, Vmware, DNS, DHCP, PuTTY, SSH, SSL/TLS, Network Configuration Manager, Bash, BIND, Netstat, IOstat, NGINX, Apache Tomcat **etc**.

**Amazon Web Services:** Amazon EC2, AWS IAM, Amazon S3, Amazon RDS, Amazon EBS, Amazon EFS, AWS ELB, Amazon ElastiCache, AWS CloudFormation, AWS CloudTrail, AWS CloudWatch, Amazon VPC, Amazon Route53, AWS Lambda, Amazon SNS, Amazon SQS Amazon DynamoDB, Amazon CloudFront, AWS CLI, and Amazon API Gateway.

# Work Experience

**System Administrator**

Wipro Limited - Kolkata, West Bengal

November 2019 to November 2020

* Provided Identity and privileged access management on a periodic frequency using Active Directory and Windows group policy, related to provisioning and de-provisioning of users and accounts.
* Responsible for the installation, evaluation, implementation, automation, integration, and maintenance for client binaries and proprietary software, utilities, compilers, databases, client system software, client-server hardware, and storage.
* Participation in quality assurance programs for verifying the integrity and availability of all server resources. Reviewing application log, and verifying completion of scheduled jobs such as backups to ensure highest level of infrastructure availability.
* Involved in troubleshooting windows 2012 r2 servers and assisted users (both physically and remote) to access files in shared drives using map network drive feature.
* Co-ordinate with IT functions team for remediation of identified vulnerabilities in supported offline or web-based applications to identify potential bottlenecks and anomalous behavior of endpoint devices.
* Ensuring compliance on security policies in adherence to all change management policies as required by the organization.

**AMCAT:** English Comprehension 615 (92%), Quantitative Ability (Advanced) 605 (83%),

Logical Ability 590 (89%), Computer Programming 435 (62%), Electronics Engineering 655 (100%). **[March 2019]**

# Education

## Bachelor of Technology (B.Tech), Electronics and Communication Engineering (ECE)

GPA: 8.07

Future Institute of Engineering and Management - Kolkata, West Bengal

September 2015 to November 2018

## Bachelor of Science (B.Sc.), Physics (Honors)

GPA: 5.15

University of Calcutta - Kolkata, West Bengal

August 2011 to June 2015

## Higher Secondary Education, Science

GPA: 7.45

Taki House Govt. Spon. Multipurpose School for Boys - Kolkata, West Bengal

May 2009 to June 2011

## Secondary Education, Science

GPA: 7.75

West Bengal Board of Secondary Education - Kolkata, West Bengal

March 1999 to April 2009

# Licenses and Certifications

## **Robotics and Embedded system using Arduino**

February 2017 to Present
Issued by Skubotics

## Core JAVA with MySQL

March 2018 to Present

Issued by CSI (Computer Society of India)

## CCNA (200-125)

September 2019 to Present

Issued by AITA (Adroit Information Technology Academy)

## Python Programming

August 2020 to Present

Issued by Udemy

URL: <https://www.udemy.com/certificate/UC-a52719d7-721d-4abc-9e28-ace74afa4a2e>

##

##  Kubernetes for the Absolute Beginners

September 2020 to Present

Issued by Udemy

URL: <https://www.udemy.com/certificate/UC-4fcdcf07-9c1d-4c28-a93c-7ec3cdf028b4>

## Windows Server 2016

October 2020 to Present

Issued by Udemy

URL: <https://www.udemy.com/certificate/UC-57e8b159-de51-4b5a-88d7-095239790191>

## MySQL

October 2020 to Present

Issued by Udemy

URL: <https://www.udemy.com/certificate/UC-f315379a-d440-4011-8a75-8389c707d886>

## Docker for the Absolute Beginners

October 2020 to Present

Issued by Udemy

URL: <https://www.udemy.com/certificate/UC-a7bd1f72-9871-4765-af1d-4c67432cf3fc>

## Docker Swarm

October 2020 to Present

Issued by Udemy

URL: <https://www.udemy.com/certificate/UC-350b26cf-0de9-41de-9121-4425c7fc8424>

## Ansible

November 2020 to Present

Issued by Udemy

URL: <https://www.udemy.com/certificate/UC-ef76f364-10f2-4660-8447-a57a9b3104ec>

## Certified Linux Engineer

November 2020 to Present

Issued by Udemy

URL: <https://www.udemy.com/certificate/UC-c6f81dff-e1a8-45e1-9544-f0e3c1c483fd>

## CKA

(Certified Kubernetes Administrator)

November 2020 to Present

Issued by Udemy

URL: <https://www.udemy.com/certificate/UC-c48cc016-4c5d-4360-9436-a756df178cb2>

## AWS-SAA-C02

(AWS Solution Architect Associate)

November 2020 to Present

Issued by Udemy

URL: <https://www.udemy.com/certificate/UC-70309300-73f4-4360-9458-9aacd8de38ee>

**Git**

January 2021 to Present

Issued by LinkedIn

**Jenkins**

January 2021 to Present

Issued by LinkedIn

**Oracle(19c) (Basic and Advanced SQL with PL/SQL)**

February 2021 to Present

Issued by LinkedIn

**Selenium (with PyCharm and Pytest)**

February 2021 to Present

Issued by LinkedIn

**HTML5**

March 2021 to Present

Issued by LinkedIn

**Learning the Python 3 Standard Library**

March 2021 to Present

Issued by LinkedIn

**Nagios**

April 2021 to Present

Issued by LinkedIn

**Learning Regular Expressions (2011)**

April 2021 to Present

Issued by LinkedIn

**Agile Foundations (Affiliation: Project Management Institute)**

April 2021 to Present

Issued by LinkedIn

**MongoDB 4.4 M001 Basics**

April 2021 to Present

Issued by LinkedIn

**DevOps Masterclass**

Currently Pursuing

Udemy

**AWS Certified Developer Associate**

Currently Pursuing

Udemy

# Presented papers / projects

1. **LinkedIn Web-scraping using Selenium Python**

April 2021

**Link**: <https://github.com/SoumyaDY96/projdy/blob/code/LinkedInWebscrapProject.py>

**Description**:

1. Login from the code into LinkedIn.
2. Webpage opens in incognito and headless (runs in background) mode.
3. Scrap data for latest Notifications, Profile views, Post Views.
4. Print the data in IDE console.
5. Automatic logout.

1. **Nginx web server with MySQL database RDS AWS**

March 2021

1. **Mount S3 Bucket on Linux EC2 instance using FUSE**

December 2020

1. **WAR game using Python**

August 2020

1. **Three layer hierarchical inter-departmental CISCO switch configuration with DHCP server provision**

July 2019

1. **Inventory Management System using Java and MySQL**

February 2018

1. **Infrared sensor robot using Arduino**

 January 2017

# Additional Information

* Proficiency in Bash shell scripting, Python coding, and PL/SQL.
* Demonstrable knowledge in Git, **Github,** code branching and merging strategies.
* Literacy with Agile practices such as Scrum, Sprint, Waterfall, and Kanban.
* Decent knowledge in AWS services, Cloud Storage, serverless technologies and DevOps

Continuous Integration (CI) and Continuous Deployment (CI/CD) workflows.

* Familiarity with configuration management of system firmware, wireless (Wi-Fi) tools, Network protocols i.e. TCP/IP, UDP and routing protocols i.e. OSPF, EIGRP.
* Hands on experience in Linux administration, IP route, Virtualization platforms, and Firewall policy implementation.
* Proficiency in role and access management, password policy implementation, OS hardening, security certificate implementation, audit log and sys log maintenance.
* Ability to work in a team, under scheduled pressure with maintaining deadlines.
* Willing to gain more experience in deploying, integrating and maintaining public cloud applications to improve in large-scale operational support.
* Possess ability to think and act with an automation mindset to problem solving.
* Gaining knowledge on Apache Spark, Go, Splunk, Kafka, Terraform, Apache Tomcat, REST API, Backend development, and Machine learning.