

Soham Mondal

AWS Certified Developer with total industry experience of 2 years and 2 months. Involved in several Projects & POCs with hands-on experience in numerous industry accepted tools & technologies.

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Work Experience

DevOps Engineer, TCS Research & Innovation Labs

Sep 2017 – Jan 2019

Project: Golden AMI creation (EDF Energy)

- Configured **Packer** to launch **EC2** from **AMI**, install various **agents** via **bash script** & harden in with **Ansible**
- Responsible for configuration of the job in **Jenkins**
- Used **aws-cli** to trigger Inspector to scan the AMI
- Wrote **Python** script to get the scan results & mail it using **SES**
- Maintained source code in **Github**

Project: Automated Server Provisioning (AGL Energy)

- Responsible for configuring **Jenkins** pipeline project using **Groovy** script
- Configured **Terraform** for **AzureVM** provisioning
- Wrote **Python** scripts for updating CMDB & closing CR
- Responsible for end-to-end automation
- Maintained source code in **Github**

Project: Automated Serverless Resource Provisioning (Innovation Labs)

- Wrote modular **Terraform** code for creating **S3** bucket, **API Gateway**, **Lambda** function, **CloudWatch** Logs Group using user-defined parameters.
- Created **IAM** roles & policies to give the user access to the specific resources created
- Wrote **Bash** script to execute **Terraform**
- Maintained source code in **CodeCommit**

POC: Azure VHD Migration to AWS (Public Service Enterprise Group)

- Responsible for writing a **Python** script to check the progress of the EC2 Import Task
- Triggered **Terraform** to create an instance from AMI
- Configured the **Jenkins** pipeline project

POC: AquaVista Portal (Veolia Waters)

- Responsible for end to end automation & both frontend and backend development
- Setup Amazon **Aurora DB** (MySQL Engine) & **EC2** instances (with **Nginx** server) with **ELB** for **HA**
- Built frontend on **ReactJS** & serverless backend microservice in **Python** (**AWS Lambda**) for DB Transactions
- Configured **AWS API Gateway** to expose backend microservice
- Configured content delivery network on **AWS CloudFront** with EC2 instances as source
- Configured **Route53** DNS Record for the ELB
- Used **Lambda@Edge** for URL Rewriting
- Wrote **Python** script to invalidated **CDN**
- Responsible for writing & configuring **groovy** script of the **Jenkins** CI/CD pipeline for the frontend
- Maintained source code in **GitLab** and configured **Webhook** for automated Jenkins build trigger.

Web Developer, Tata Consultancy Services

Nov 2016 – Aug 2017

Project: Redesign Signup Page (Enmax Corporation)

- Responsible for analysing the changes in code base for new requirement
- Responsible for articulating rich UI/UX components
- Used **HTML-CSS**, **AngularJS**, **jQuery**, **Bootstrap**, **AJAX**

Academics

Techno India College of Technology (TICT)

Aug 2012 - Jul 2016

Bachelor of Technology (B.Tech) in Computer Science and Engineering

GPA: 7.41/10

Independent Coursework

Interactive Programming in Python [Sept 2013](#)

Platform: Coursera

React JS and Redux [Nov 2017](#)

Platform: Udemy

Skills

- **Python**: Boto3
- **Web**: HTML CSS SASS Gulp Bootstrap JavaScript
Angular jQuery AJAX React NodeJS php
- **Database**: Oracle MySQL MongoDB ArangoDB
- **Cloud**: AWS Azure
- **DevOps**: CI: Jenkins Travis
SCM: Git
Script: Bash Python Groovy
Tools: Packer Terraform Docker Chef
Template: JSON YAML
- **Server**: Apache
- **OS**: Linux Windows

Certification

J2EE with Struts Framework [Jan 2015](#)

by: Hewlett-Packard (HP)

AWS Certified Developer Associate [Aug 2018](#)

by: Amazon Web Services (AWS)

Awards/Achievements

- **Star of the Learners Group** award - For excellent performance (technical & business skills) during TCS training
- Got the opportunity to manage & train 3 batches, (60 associates/batch), in Java SE and Java EE
- **On The Spot** award – For outstanding performance & contribution in Projects
- **Certificate of Appreciation** – For mentoring & grooming associates in Digi-Week
- **Token of Appreciation** – For being a speaker at Neo4J Graph Workshop series

Individual Projects

TICT CSE Android App [\(View\)](#)

Description: The purpose of the app is to keep the students updated with the latest news and events of our CS department. Professors can add a new event or news from admin dashboard and the students will get the information instantly via push notification.

Skills: Java SQLite MySQL Android php Firebase JSON XML

Vanilla Essence [\(View\)](#)

Description: A *MERN stack* web app for a small start-up bakery Vanilla Essence.

Skills: ExpressJS ReactJS NodeJS MongoDB SASS
Gulp Heroku Git

sohammondal.com [\(View\)](#)

Description: Digital Resume. *Serverless* single page web app. Hosted on S3 Bucket & content delivered by *CloudFront*. Server side handled by *NodeJS* on *AWS Lambda*. Used *Travis*, *Python*, *Shell* for CI/CD.

Skills: AngularJS FontAwesome jQuery CloudFront
Route53 API-Gateway SNS Lambda (NodeJS)
Travis-CI Python AWS-CLI YAML Git

React Mini Projects [\(View\)](#)

Description: A simple web app to display my React skills. Hosted on Amazon S3 Bucket.

Skills: AWS S3 React Redux Thunk Firebase Git Bash
MongoDB YAML TravisCI DevOps

Additional Skills

Fluent English – IELTS score 7.5 (Level - C1)