

# Ushran Gouhar

## SOFTWARE ENGINEER

### ABOUT ME

I have 2 years of experience as a Software Engineer. Experienced in JavaScript, React, Data-Structures and Algorithms. I am good at implementing complex things.

### CONTACT

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### SKILLS

- Data Structures, Algorithms, OOPs, C++
- HTML, CSS, JavaScript, React, React Native, Jest, GIT, CI/CID
- AWS S3, SQS, SNS, DynamoDB, CloudFormation, CloudWatch, Lambda, Athena, IAM, LEX

### PROJECTS

#### • Tiffany Chatbot (Internship)

Created a Chat-bot called Tiffany, the use-case of which is asking a set of business questions. Based on the response it asks next question and using answers it sets configurations that will help in the process of setting prices of products.

#### • Graph Visualizer

[gouhar1512.github.io/Graph-Visualiser](https://gouhar1512.github.io/Graph-Visualiser)

A web-app to visualize Graphs which takes input as list of pair of connected nodes. It has animations for bfs and dfs and feature to make any node root.

Stack: **HTML, CSS, JavaScript**

#### • Maze Solver

[gouhar1512.github.io/Maze-Solver](https://gouhar1512.github.io/Maze-Solver)

Solve maze by selecting any two positions and it will show the shortest path between these two points. It will also show the animation of finding the path.

Stack: **HTML, CSS, JavaScript**

#### • Tile Game

[gouhar1512.github.io/Tile-Game](https://gouhar1512.github.io/Tile-Game)

Tiles of different colors and shape come from the top. Player needs to clear tiles by placing at least 3 tiles together either horizontally, vertically and/or diagonally of same color.

Stack: **HTML, CSS, JavaScript**

## WORK EXPERIENCE

### • SCRIPBOX

#### SOFTWARE ENGINEER – I

Feb 2023 – Present

- Implemented Invest More CTA across the app to easily invest in Mutual Funds which improved user experience.
- Minimized re-rendering of screens by using custom hooks and other memoization hooks.
- Did Design QA and made the UI consistent with the Figma wireframe.
- Created Delete Account feature which will navigate the user to mail app with pre-filled subject and body.
- Created Custom components to be used across the App.
- Fixed navigation issues in Fixed Deposit feature.
- Updated existing Date-picker with a new one which has its own backdrop and continue button.
- Removed WebView part from app and directly call the API which simplifies ECAS generation process.
- Stack: **React, React-Native, TypeScript, HTML, CSS, Figma**

### • AMAZON

#### SOFTWARE DEV ENGINEER – I (Pricing Simulation)

Aug 2021 – Jan 2023

- Created a Cradle job which runs periodically. It queries a data warehouse and ingest data in S3. As soon as data is ingested an event is published from S3 to SQS which has info about the buckets. Along with that I created a Poller and Worker which polls messages from that SQS, extracts S3 bucket names, fetches data those buckets, modifies them and stores in different S3 buckets.
- Implemented a Model Transformation Layer in the service, which transforms data from external (3rd party) Model to internal Model used in service.
- Implemented Infrastructure as Code (IaC) by deploying several types of AWS services using CDK written in yaml. Built a Composite alarm for similar kind of alarms in AWS CloudWatch to prevent multiple alarm actions for similar type of issues.
- Created a publisher to publish messages to an SNS topic and configured its permissions so that client SQS can subscribe to that topic. Also implemented Serializer and De-serializer (Codec) for publishing/processing messages to/from SNS topic.
- Designed a High-Level Diagram for modifying a configuration tree (a tree to store products information in a hierarchy), where changes at parent node will be reflected in different child nodes. Did POC for that in beta.
- Created utility functions for publishing metrics in CloudWatch. It can emit count and time metrics.
- Wrote a wiki for QuickSight Developer setup. It talks about using QuickSight, creating reports and granting permissions through scripts. Had been part of On-call duty once in every month. Was responsible for system maintenance, resolving high severity tickets and unblocking pipelines.
- Stack: **Java, Spring Boot, SQL, Various AWS Technologies**

#### SOFTWARE DEV ENGINEER – INTERN (Pricing Workflows) Jan 2021 – July 2021

- Created a Chat-bot using AWS Lex and Amplify library. Also used Lambda, SNS and DynamoDB for the project.
- Did Requirement gathering, created Use case diagram, Flowchart diagram, Sequence diagram for the Internship project and documented everything.
- Learnt about access patterns needed to be identified for database and did the same for my project.
- Learnt SDLC, CI/CD, Code reviews, agile methodology and best practices followed in Software Development.
- Had amazing mid and end internship reviews. Got praises for Dive-deep.
- Stack: **React JS, Node JS, Various AWS Technologies**

## EDUCATION

### • BACHELOR OF ENGINEERING

Birla Institute of Technology, Mesra, Ranchi

June 2017 – May 2021

## ACCOMPLISHMENTS

- ✓ 1227th place among 11000+ participants in Google Kick Start Round D July 2020
- ✓ 202th place among 15300 participants in Codechef Long Contest May 2020
- ✓ Technical Coordinator, ACM BIT-Mesra Nov 2019
- ✓ Became Expert in Codeforces(@gouhar) Sep 2019
- ✓ Got bronze medal with 224th place among 900+ participants in Hourrank 31. Dec 2018