Proyash Saha

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EDUCATION

University of Manitoba
B.Sc. in Computer Science
2017 – 2021

TECHNICAL SKILLS

- Languages: Java, Swift, Ruby, Python, and JavaScript, C, C++, HTML, CSS.
- Cloud Services: AWS and Google Firebase.
- Software frameworks: React.js, Django, Serverless Framework.
- iOS app development using Swift and Swift UI.
- Well versed in using software like VS Code, IntelliJ Idea, PyCharm, Android Studio, XCode, Git, Bitbucket, Postman and MS Office.

WORK EXPERIENCE

FleetOperate
Winnipeg, MB, Canada
March 2022 - Present

Backend Developer (AWS)

- Created REST APIs for four major applications on the FleetOperate platform.
- Maintained existing microservices and delivered new software features through agile practices.
- Worked extensively with AWS services like EC2, IAM, DynamoDB, S3, CloudFormation, CloudWatch, Cognito, CodeBuild, SQS, SES, Lambda and API Gateway.
- Used the Serverless Framework to deploy, monitor and troubleshoot APIs.
- Practiced Test Driven Development

PROJECTS

Ventori
An iOS app built using the Swift language to help manage inventory for small businesses. Some features include scanning a barcode to search for a product and a push notification system for item expiry dates. The app also keeps track of the count, selling price, profits, and cost price.

WhoDunnit
A command line game written in Ruby. I made this game as a quick project during summer. This program simulates a simpler version of the game Clue.

GoodHabits
A habit-tracking android application that can be used to develop good habits or get rid of bad habits. The main goal of Good Habits is to make an individual complete the tasks they have created. Some features include daily motivational quotes, goal progress view and a notification system to help you check in on your goals, in a timely manner.

PGM-Image-Library
A pgm image library written in Python. Provides basic image manipulation functionalities like reflecting image from left to right, top to bottom, invert black and white colour, increase brightness by a certain percentage, smoothening, edge detection, thinning of edges after detection and suppressing noise.