Proyash Saha

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EDUCATION

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

SKILLS

* Languages: Java, Swift, Ruby, Python, Typescript, 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, Postman, and MS Office.
* Experience with Bitbucket, Jira and Confluence.
* Excellent written and oral communication skills.
* Ability to work efficiently both solo and as part of a team; willingness to learn new things and mentor others.
* Have a deep understanding of Object-Oriented Programming languages and their fundamentals.
* Experience with data modelling for NoSQL databases and have good understanding of microservices architecture.

WORK EXPERIENCE

Tilt
Winnipeg, MB, Canada
August 2023 - Present
Software Developer

* Worked extensively with AWS services like EC2, IAM, DynamoDB, S3, CloudFormation, CloudWatch, Cognito, CodeBuild, SQS, SES, SNS, Lambda and API Gateway.
* Used the Serverless Framework to deploy, monitor and troubleshoot APIs.
* Created REST APIs for the existing microservices.
* Did data modelling for records stored in DynamoDB.
* Delivered features through agile practices and Test-Driven Development.
* Worked with Business and System Analysts to understand business requirements and to create sequence diagrams, and workflows to demonstrate application integration flow and user interaction with the system.
* Documented user flow, process, and systems data requirements to help developers and quality assurance teams.

* Worked closely with other team members to debug and troubleshoot third-party device connections, data-gathering models, and communication with APIs.
* Coordinated with user interface (UI) teams and helped them integrate required APIs with Angular.js or React applications.

FleetOperate
Winnipeg, MB, Canada
March 2022 - August 2023
Software Developer

* 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, SNS, Lambda and API Gateway.
* Used the Serverless Framework to deploy, monitor and troubleshoot APIs.
* Practiced Test-Driven Development.
* Worked closely with other team members to debug and troubleshoot third-party device connections, data-gathering models and communication with APIs.
* Coordinated with user interface (UI) teams and helped them integrate required APIs with Angular.js or React applications.

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 the 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, a goal progress view, and a notification system to help you check in on your goals on time.

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, inverting black and white colour, increasing brightness by a certain percentage, smoothening, edge detection, thinning of edges after detection and suppressing noise.