

Proyash Saha

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EXPERIENCE

Software Developer

Tilt, Winnipeg, MB | Aug 2023 - Present

- * Utilized AWS services such as EC2, IAM, DynamoDB, S3, CloudFormation, CloudWatch, Cognito, CodeBuild, SQS, SES, SNS, Lambda, and API Gateway.
- * Implemented Serverless Framework for deploying, monitoring, and troubleshooting APIs.
- * Developed REST APIs for existing microservices, applying agile practices and Test-Driven Development.
- * Collaborated with Business and System Analysts to understand and document requirements, creating sequence diagrams and workflows.
- * Coordinated with UI teams to integrate required APIs with React applications.

Software Developer

FleetOperate, Winnipeg, MB | Mar 2022 - Aug 2023

- * Developed REST APIs for applications serving over 1000 owner-operator or carrier company drivers.
- * Improved the Authentication API performance by implementing caching, which reduced latency from 300ms to 130ms.
- * Maintained existing microservices and delivered new features through agile practices.
- * Extensively worked with AWS services including EC2, IAM, DynamoDB, S3, CloudFormation, CloudWatch, Cognito, CodeBuild, SQS, SES, SNS, Lambda, and API Gateway.
- * Employed Serverless Framework for deploying, monitoring, and troubleshooting APIs.
- * Practiced Test-Driven Development, debugging, and troubleshooting with team members.
- * Coordinated with UI teams for API integration with Angular applications.

EDUCATION

Bachelor of Science (B.S.) - Computer Science

University of Manitoba, Winnipeg, MB | 2017 - 2021

SKILLS

- * Programming Languages: Java, Swift, Ruby, Python, TypeScript, JavaScript, C, C++, HTML, CSS.
- * Cloud Services: AWS, Google Firebase.
- * Software Frameworks: React, Django, Serverless Framework.
- * iOS App Development: Swift, SwiftUI.
- * Tools: VS Code, IntelliJ IDEA, PyCharm, Android Studio, XCode, Git, Postman, MS Office.
- * Collaboration Tools: Bitbucket, Jira, Confluence.
- * Soft Skills: Excellent written and oral communication, teamwork, adaptability, mentoring.
- * Object-Oriented Programming: Deep understanding and practical application.
- * Database: Data modelling for NoSQL databases and microservices architecture.

PROJECTS

Ventori (iOS App using Swift)

- * Inventory management app for small businesses.
- * Features: Barcode scanning, push notification system, count tracking, selling price, profits, and cost price.

WhoDunnit (Ruby Command Line Game)

- * Simplified version of the game Clue.
- * Written in Ruby.

GoodHabits (Android App)

- * Habit-tracking app with features like motivational quotes, goal progress view, and a notification system.

PGM-Image-Library (Python)

- * PGM image library for basic image manipulation.
- * Functionalities include reflection, inversion of colours, brightness adjustment, smoothening, edge detection, and noise suppression.