

# Mohammed Suleiman Mohamed Al-Falahy

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I'm a FullStack Developer with over 5 years experience in the Software industry. I recently received my AWS Developer certification and I'm currently open for a developer position. I look forward to my new challenge !

## Personal Details

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**Highest Level of Education:** Bachelor's Degree

**Total years of experience:** 5

## Work Experience

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### **AWS FullStack Developer/ React-Native Developer**

AI Fit Assistant, Contract - Toronto, ON

May 2023 to October 2023

- Developed a fully responsive user interface using React, ensuring a visually appealing and user-friendly design across different devices and screen sizes.
- Utilized Ruby on Rails and Node.js to build robust and scalable backend services, enabling seamless communication between the frontend and server-side logic.
- Integrated AI capabilities into the application using Python, allowing for customized workout and diet plans based on user preferences and goals.
- Leveraged AWS services, such as Cognito, Lambda, and DynamoDB, to build a secure and scalable infrastructure, ensuring data privacy and efficient storage.
- Implemented user authentication and authorization using AWS Cognito, ensuring secure access to personalized workout and diet information.
- Collaborated closely with clients and users to gather feedback and address concerns, continuously improving the application based on user input.
- Conducting thorough testing using testing frameworks such as QUnit and debugging to identify and resolve any issues, ensuring a smooth and error-free user experience.
- Implemented a responsive user interface using NextJS that guarantees a superior user experience, ultimately helping individuals achieve their fitness goals effectively and efficiently.
- Leveraging my expertise in AWS services, React, Ruby, Node.js, and Python, I successfully created a feature-rich application that delivers personalized workout and diet routines.

### **AWS Backend Lead Developer**

RideFlag Technologies Inc. - Toronto, ON

September 2021 to May 2023

- Led the design, development, and deployment of scalable cloud backend services that integrate with our IOS and Android applications supporting different environments for different App versions.

- Implemented microservice architecture patterns for the deployment of cloud-based applications to facilitate scalability, maintainability, and fault tolerance.
- Responsible for designing, developing, and maintaining complex backend services using AWS services such as Lambda and API gateway, EC2, S3, DynamoDB, RDS etc
- Collaborated with software architects to plan and implement robust and scalable backend architectures using AWS services.
- Conducted code reviews and quality assurance tests to ensure the robustness and reliability of the backend infrastructure.
- Managing AWS resources and services effectively, considering aspects such as cost, performance, and security.
- Incorporating DevOps practices in the development cycle, including using AWS CodePipeline for CI/CD, AWS CloudFormation for infrastructure as code etc
- Provided leadership and guidance to junior backend developers, assisting with their technical challenges, and helping with their career growth.
- Designed and managed IAM Policies and Roles to provide least-privilege access to AWS services, ensuring a secure application environment.
- Established Multi-Factor authentication (MFA) for AWS users and roles to enhance security.
- Developed IAM strategies for role-based access control, successfully segregating duties within teams.
- Provisioned and managed EC2 instances to host the application's backend services.
- Utilized EC2 Auto Scaling to ensure high availability and fault tolerance of applications.
- Designed, implemented, and maintained DynamoDB tables to support application data requirements.
- Implemented Lambda functions using ReactJS, Python 3.10, and NodeJS, and configured API Gateway for Lambda accessibility.
- Managed DynamoDB data backup and restore operations, ensuring data integrity and availability.
- Optimized message processing and ensured reliable message delivery by effectively using SQS dead-letter queues.
- Utilized SNS for push notifications and to manage system-to-system and app-to-person communication.
- Implemented CI/CD pipelines for automated deployment of backend services on AWS.

## **Ruby FullStack Developer**

MPOD Solns - Toronto, ON

February 2021 to August 2021

- Designed, developed, and implemented customer-facing features of web applications using technologies such as HTML, CSS, JS, with distinct emphasis on frameworks such as React, Angular, and Vue.js
- Implemented backend APIs using Ruby on Rails for data exchange between the server and UI components, enhancing the performance of the application, using Ruby on Rails and ActiveRecord.
- Created and managed databases, developing queries, and handling data migration, backup, and performance of the application.
- Collaborated with UI/UX designers to implement user-friendly interfaces using Rails' view helpers and Rails-based frontend frameworks. These interfaces adhered to design guidelines and effectively met user needs, enhancing overall user experience and satisfaction.

## **NodeJS /MongoDB Software Engineer**

Red Hat - Toronto, ON

March 2020 to January 2021

- Designed and implemented dynamic and responsive user interfaces using Angular Framework, NodeJS, and React.

- Used RxJS and state management libraries (like NgRX or Redux) for efficient state management in Angular Applications.
- Collaborated with UI/UX designers to translate design into high-quality code, and ensure the technical feasibility of UI/UX designs.
- Implemented, and maintained MongoDB Databases to support application requirements.
- Used MongoDB Atlas for managing database operations in the cloud, improving scalability and flexibility.
- Implemented data backup and restore strategies in MongoDB, ensuring data availability, and integrity.
- Implemented RESTful secure web authenticated API's according to the business application requirements using React and NodeJS.

## **Java App Developer / Analyst**

Service Ontario - Toronto, ON

May 2018 to March 2020

- Developed and maintained robust, scalable applications using Java, exhibiting an in-depth understanding of OOP principles and design patterns.
- Utilized Spring Boot for the rapid development of microservices, enabling faster time-to-market of software products.
- Employed Spring Data JPA for database interactions, simplifying data access layer code.
- Utilized AWS Elastic BeanStalk for deploying and scaling Spring Boot applications with minimal infrastructure management.
- Documented code and software functionality to ensure team members understand how the system works.
- Troubleshooting software issues to ensure the smooth functioning of the applications.
- Provided regular reports on the status of development projects, potential issues, and proposed solutions

## **Education**

### **Bachelor's in Computer Programming & Analysis**

SENECA COLLEGE - Toronto, ON

September 2017 to November 2021

## **Skills**

- Ability to work under pressure
- Responsible, attentive, and dedicated
- C/C++, C# (2 years)
- Javascript, Java, HTML5, CSS, XML, Bootstrap (5 years)
- ASP.NET MVC, Angular5, Express, NodeJS (5 years)
- SQL, Oracle, MongoDb, PostgreSQL, PLSQL (4 years)
- AWS (3 years)
- SOAP and REST web services (4 years)
- Version control GIT, Docker (5 years)
- APIs (5 years)

- MySQL (5 years)
- Research and information gathering skills