Mohammed Al-Falahy

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I'm a FullStack Developer with over 7 years experience in the Software industry. I'm also certified in AWS, Artificial Intelligence Automation, and Large data security. I look forward to my new challenge and working towards building a better software solution for the company's success.

Personal Details

Highest Level of Education: Bachelor's Degree
Total years of experience: 7

Work Experience

Lead Project Manager / CFO
FRESH-OP, Contract - Burlington, ON JULY 2024 - CURRENT

• Implemented the website design, database, and AWS accounts for the company and invested in becoming a partner
 • Promoted and strategically market the restaurant business and introducing external clients into the business
• Managing the business orders and automating the entire process for a seamless website and customer order satisfaction
• Introduced and trained staff on better customer service and complaint management
• Act as a brand ambassador to combine the gym business with my speciality in software, marketing, and sales.

Fitness Director
LA Fitness, FullTime - Oakville, ON JUNE 2024 - CURRENT

• Oversee staff trainers to enhance team performance and ensure consistent delivery of quality fitness education.
 • Create innovative fitness programs designed to engage clients and promote long-term wellness goals.
• Execute marketing strategies for fitness services, boosting visibility and client engagement.
• Administer comprehensive fitness assessments to evaluate client capabilities and tailor programs accordingly.
• Coordinate budget management activities to optimize resources and enhance financial sustainability of fitness initiatives.

AWS FullStack Developer/ React-Native Developer
AI Fit Assistant, Contract - Toronto, ON MAY 2023 - JAN 2024

• Developed a fully responsive user interface using React, JSX and TailWind, ensuring a visually appealing and user-friendly design across different devices and screen sizes.
• Utilized Express 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 and OpenAI SDK, 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 microservices infrastructure, while ensuring data privacy and efficient storage.
• Implemented user authentication and authorization using AWS Cognito and User Pools, for secure access to user accounts.
• Collaborated closely with the UX team and stakeholders to gather feedback and address concerns, continuously improving the application based on user input.
• Conducted thorough testing using testing frameworks such as QUnit and debugging to identify and resolve any issues, ensuring a smooth and error-free user experience.
• 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. - Mississauga, ON SEP 2021 - MAY 2023

• Led the design, development, and deployment of scalable 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.

FullStack Developer
MPOD Solns - Toronto, ON FEB 2021 - AUG 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 Ruby, 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.

Software Engineer
Red Hat - Toronto, ON MARCH 2020 - JAN 2021

• Designed and implemented dynamic and responsive user interfaces using React Framework, Javascript, and JSX.
• Used RxJS and state management libraries (like NgRX or Redux) for efficient state management.
• 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 Express and NodeJS.

Java Application Developer / Data Analyst
Service Ontario - Toronto, ON MAY 2018 - FEB 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 micro-services(3 years)
 • SOAP and REST web services (4 years)
 • Version control GIT, Docker (5 years)
 • APIs (5 years)