

MOHAMMED AL-FALAHY

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Results-driven and highly skilled Full Stack engineer with experience in designing, implementing, testing, and maintaining complex backend systems and applications. Proven ability to lead cross-functional teams and drive projects to successful completion. Passionate about crafting efficient, scalable, secure and accessible software solutions.

PROFESSIONAL SKILLS

- *Programming Languages:* JavaScript, Python, Java, ASP.NET, C#, NodeJS, Express
- *Cloud Services:* AWS (Lambda, IAM, Cognito, EC2, RDS, S3), Azure
- *Version Control:* GIT, CI/CD Pipeline, Linux
- *Web Technologies:* HTML5, CSS3, REST API's, Bootstrap, VueJS
- *Databases:* DynamoDB, SQL, MongoDB
- *Additional Languages:* Objective C, Angular, C++

EXPERIENCE

React Backend Cloud Developer, AIFit Assistant (Contract) - Remote, Toronto, ON

MAY 2023 - SEP 2023

- Designed and maintained RESTful APIs integrated with the mobile application.
- Developed serverless computing functions using Node, and React.
- Implemented IAM policies to enhance cloud resource security and limit unnecessary resource access.
- Designed backend data structure and implemented the storing, access, and updates on dynamoDb.
- Integrated third-party APIs for authentication, payments, exercise, and nutrition data.
- Resolved cross-platform compatibility issues on iOS and Android.
- Developed APIs for AI SDK integration, including OpenAI.
- Managed an AI-based bot system for automating customer service processes.
- Built cloud-native applications interfacing with legacy existing systems.
- Resolved scalability problems and addressed security concerns.

AWS Backend Lead Engineer, RideFlag Tech - 4230 Sherwoodtowne, Mississauga, ON

SEP 2021 - MAY 2023

- Implemented ML processes using Python3 to enhance user face detection software.
- Developed strategies for minimizing application downtime during backend deployment.
- Enhanced cloud resource security through IAM policies.
- Leveraged AWS services (DynamoDB, RDS, SQS, SNS, ECS) for robust systems.
- Migrated on-premise databases to AWS using DMS service.
- Automated application stack deployment with AWS CloudFormation scripts using NodeJS and Python3.
- Documented APIs, databases, and technical components.
- Analyzed production logs using CloudWatch for troubleshooting and debugging.
- Configured database replication, backup, and recovery in dynamoDb.
- Implemented a Web portal that visualized our face detection software and user trip data in the form of data graphs and live user trip route for the investors using JavaScript and VueJS
- Mentored junior developers on our company coding standards and debugging.
- Contributed ideas and suggestions in team meetings and delivered updates on deadlines, designs, and enhancements.
- Designed and developed forward-thinking systems that meet user needs and improve productivity.
- Implemented data security using Cognito SDK.
- Translated technical concepts and information into terms parties could easily comprehend.
- Rapidly prototyped new data processing capabilities to confirm integration feasibility into existing systems.
- Ensured data integrity and privacy through access controls.
- Collaborated directly with the CEO and CFO to ensure product delivery success.

ASP.NET C# Backend Developer, MPOD Solns - 1750 Finch Ave East, ON

MAY 2020 - AUG 2021

- Developed and maintained full-stack web applications using ASP.NET and C#.
- Implemented responsive web designs with Bootstrap and CSS.
- Integrated RESTful services for efficient data retrieval and manipulation.
- Managed version control using Git and conducted code reviews.
- Collaborated with the UX/UI design team to enhance application interfaces.
- Enhanced application performance and user experience.
- Utilized and implemented MongoDB for hosting and data storage solutions.
- Coordinated with the QA team to ensure high-quality software deliverables.
- Provided technical support and training to team members.

Java Backend Developer, Service Ontario - 777 Bay Street, Toronto, ON

MAY 2016 - MARCH 2020

- Developed software components using Java, JDBC, and Servlets.

- Optimized SQL queries for improved performance.
- Implemented secure backend API's using Java that can handle large data payloads without any memory leaks.
- Worked on SOAP-based web services with XML and JSON payloads from external software integration.
- Conducted code reviews to maintain coding standards.
- Built enterprise applications using Java, J2EE, Spring, Hibernate, and Web Services.
- Provided feedback on project status and technical solutions.
- Researched, designed, developed, and tested embedded systems.

EDUCATION

- *SENECA COLLEGE*, Computer Programming & Analysis, 3.9 GPA (2021)
- *ALMIS*, IT & Security Management (2015)
- *AWS Certified Developer (In-Progress)*

SOFT SKILLS

- Technical Analysis
- Team Player
- Good Leadership & Communication Skills
- Emotional Intelligence
- Integrity
- Ability to Delegate
- Punctual on Project Delivery
- Divergent Thinker
- Independent Worker