

Muneeb Ansari

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Skills

Languages: Python, JavaScript, Java, C, SQL

Technologies: AWS, Node.js, React, Flask, Express.js, Git, ActiveMQ, Jenkins, Splunk, ServiceNow

Experience

407 ETR

May 2021 - Present

Software Developer

Toronto, ON

- Increasing mobile app quarterly revenue by 200% from \$200,000 to \$600,000 by migrating users to a new data model and developing RESTful APIs to support in-app self-service features
- Reducing DynamoDB backup storage costs by 67% by leveraging AWS Step Functions and parallel processing to save 13TB in monthly usage
- Providing 100,000 users with access to in-app billing statements and payment history by developing and deploying RESTful APIs using Node.js, AWS Serverless, NoSQL and AWS CloudFormation (IaC)
- Automating UI testing for mobile apps using Mocha, Chai and Behavior-Driven Development (BDD) with integration into Jenkins continuous integration (CI) pipeline for charting and reporting
- Employing Splunk and Amazon CloudWatch for monitoring, debugging, diagnosis, and metric analysis in production

407 ETR

May 2019 - Aug. 2020

Software Developer Intern

Toronto, ON

- Improved GIS system performance by 10x by removing bottlenecks using SQL Profiler and implementing server-side caching
- Developed a Spring Boot email notification service to streamline work-order alerts, increasing completion rates by 14%
- Implemented Apache Camel routes on Enterprise Service Bus (ESB) to consume messages from ActiveMQ topics, leveraging Event-driven architecture to ensure reliable message routing and integration with on-prem services
- Maintained a full stack asset management web app using Angular, Spring Boot and SQL; featuring dashboards, dynamic tables, and interactive maps using Leaflet
- Built SFDC Lightning Web Components (LWC) for Customer Service Representatives to support account management workflows; leveraging HTML, CSS, JavaScript and Salesforce Flow Builder to automate business processes

Projects

vehicle-maintenance-chatbot

- Designed and developed a responsive and intuitive chatbot interface using React, TypeScript, and Material UI
- Developed a Flask REST API to provide query responses using OpenAI GPT-3.5, Langchain and Pinecone Vector DB
- Leveraged YouTube Data and OpenAI APIs to extract instructional text and video segments from a video transcript

facemask-predict

- Implemented a classification model for face mask detection using a convolutional neural network achieving 90% accuracy
- Deployed a Flask REST API to inference the trained model, compute feature maps and return prediction results
- Created a UI using HTML, CSS, and JavaScript for model inference, prediction display and feature map visualization
- Leveraged PyTorch for data loading, model creation, hyperparameter tuning, and training

Education

University of Toronto

Sept. 2016 - May 2021

Honours Bachelor of Science, Computer Science