Muneeb Ansari

mansari-dev@outlook.com | mansar.io | linkedin.com/in/muneeb-ansari | github.com/MuneebAnsari

Skills

Languages: Python, JavaScript, Java, C, SQL
Technologies: Node.js, AWS, ActiveMQ, Jenkins, Salesforce (SFDC)
Frameworks: Express, Flask, Apache Camel, Jasmine, Sinon.js, Selenium WebDriver, JUnit
Databases: Amazon DynamoDB, Microsoft SQL Server, MongoDB
Tools: Git, GitHub, AWS CodeCommit, Apache Subversion (SVN), Amazon CloudWatch, Splunk

Experience

407 ETR — *May 2021 – Present*
Software Developer — *Toronto, ON*

- Achieving a 200% increase in quarterly revenue generated through mobile app channels; from $200,000 to $600,000, by migrating users to a new data model and developing APIs to support in-app self-service features
- Developing RESTful APIs using Node.js, AWS serverless, NoSQL and AWS CloudFormation (IaC), to provide 100,000 users with access to in-app billing statements and payment history
- Increasing app test coverage to 25% by automating UI testing for mobile apps using behavior-driven development (BDD) with integration into Sauce Labs and Jenkins continuous integration (CI) pipeline for charting and reporting
- Employing Splunk and Amazon CloudWatch for monitoring, debugging & diagnosis, and metric analysis for daily upkeep
- Mentoring 3+ co-op students and promoting a collaborative Agile environment through strong leadership and communication

407 ETR — *May 2019 – Aug. 2020*
Software Developer Intern — *Toronto, ON*

- Improved GIS system load time by 10x by removing bottlenecks using SQL Profiler and implementing server-side caching
- Developed an email notification service using Java Spring Boot to streamline work-order management alerts, improving throughput by 14% while minimizing asset downtime
- Implemented Apache Camel routes on Enterprise Service Bus (ESB) to consume messages from ActiveMQ topics, leveraging Service Oriented Architecture (SOA) to ensure reliable message routing and integration with on-prem services
- Led the development of a full stack asset management web app using Angular, Angular Material, Spring Boot and SQL; featuring a comprehensive dashboard, dynamic tables, and interactive maps using Leaflet library
- Built SFDC Lightning Web Components (LWC) for Customer Service Representatives (CSRs) to support customer management workflows; leveraging HTML, CSS, JavaScript and Salesforce Flow Builder to automate business processes

Projects

vehicle-maintenance-chatbot | *Python, Flask, React, TypeScript, Material UI*

- Created an AI chatbot allowing users to interface with a PDF of their vehicle's service manual, receive relevant responses to their queries and view comprehensive instructional video guides for maintenance tasks
- Designed and developed a responsive and intuitive chatbot interface using React, TypeScript, and Material UI
- Developed a Flask REST API to deliver accurate responses to queries using OpenAI GPT-3.5, Langchain and Pinecone Vector DB
- Leveraged YouTube Data API and OpenAI function calling API to develop an algorithm to extract step-by-step instructions and corresponding video segments from a video transcript

facemask-predict | *Python, Flask, PyTorch, HTML, CSS, JavaScript*

- 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 user interface with HTML, CSS, and JavaScript with capabilities to upload images, inference the model, display predictions, and visualize feature maps
- Leveraged PyTorch for data loading, model creation, hyper-parameter tuning, and training

Education

University of Toronto — *Sept. 2016 – May 2021*
Honours Bachelor of Science, Computer Science