

GIBRAN MYAGERI

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Summary

Software engineer with 5 years of experience, specializing in designing scalable solutions and leveraging cloud technologies to drive impactful results in software and machine learning applications. Pursuing MS in Computer Science with a focus on AI.

Technical Skills

Programming Languages: Python, Java, Typescript, C++, JavaScript, Ruby, Go

Databases: SQL, MongoDB, Oracle SQL, SQLite, Postgres, NoSQL, Redshift

Frameworks: PyTorch, TensorFlow, Sklearn, React, Angular, NextJS, Tailwind, Flask, Node.js, Spring Boot, Rails

Tools: Docker, Jenkins, Kubernetes, Elasticsearch, Airflow, MLFlow, Google Cloud Platform

Certifications: AWS Certified Cloud Practitioner, Microsoft Azure Fundamentals AZ-500, Machine Learning (DeepLearning)

Work Experience

Cognizant Technology Solutions

November 2021 - May 2023

Full Stack Engineer

- Enhanced the Auto Insurance module on the Farmers Insurance website using SEO tools, boosting sales and reach by 9%.
- Directed UI development for the new Auto application using Angular 13 (Typescript) and Java Spring Boot based on Figma templates, replacing legacy technology and achieving a 10% increase in user quote completion.
- Resolved render issues and minimized render time, leading to a 15% performance boost and 20% increase in website traffic.
- Revamped outdated deployment processes to a streamlined CICD pipeline using CloudBees, boosting productivity by 30%.
- Spearheaded production deployments and monitored potential disruptions using Jenkins, CloudBees CD and Heroku.
- Conducted interviews for potential candidates, evaluating their proficiency in Java, Angular, and problem-solving skills.

Tata Consultancy Services

September 2018 - October 2021

Software Engineer

- Redesigned ABN Amro's intranet banking apps to Spring Boot & Angular 9 (Typescript), reducing response time by 30%.
- Created a real-time SWIFT Global Payment tracker with Angular and Java, reducing customer response time by 40%.
- Led meetings with stakeholders for requirements gathering and progress updates, with cross-functional teams.
- Directed a DevOps migration to MS Azure, with Spring Boot & Microservices for scalability and reducing cost by 10%.
- Interviewed, mentored, and trained new recruits, orchestrating knowledge transfer sessions for their seamless integration.

Education

Northeastern University, Boston, MA

May 2025

Master of Science in Computer Science

Courses: Algorithms, Programming Designs Paradigm, Foundations of AI, Machine Learning, ML Operations

NEU Buddy — LLM-based Chatbot

September 2024 - Present

- Developed a chatbot that provides students with course information, pre-requisites, and reviews to aid course selection.
- Leveraged Hugging Face's TRL library to train the model using Reinforcement Learning with Human Feedback (RLHF).
- Utilized BM25 search to optimize user query matching and tag the responses to the respective queries.
- Performed supervised fine-tuning on the LLM using a curated dataset to enhance query understanding and response quality.

AI Language Translator — T5

February 2024 - April 2024

- Designed and implemented a translation application using the T5 model from Hugging Face.
- Trained and optimized the T5 model with the Adam optimizer on Google Colab for efficient results.
- Created a React-based user interface for text and PDF translations, linking it with a Jupyter Notebook backend for seamless operation.

SRM Institute of Science and Technology, Chennai, India

July 2014 - May 2018

Bachelor of Technology in Electrical and Electronics Engineering

Courses: Advanced Calculus, Discrete Mathematics, Probability and Statistics, Digital Signal Processing