

IBRAHIM SAIFULLAH

ibrahim.saifullah1@gmail.com · (972) 762-9336 · [LinkedIn](#) · [ibrahimsaifullah.com](#)

EDUCATION

University of Texas at Dallas – *Bachelor's in Computer Science*

May 2024

- 3.895 GPA – Magna Cum Laude

Plano East Senior High School – *International Baccalaureate (IB) Student*

May 2020

- 36/36 ACT Score, 800/800 SAT Math II Subject Test Score, 4.17/4.00 GPA

WORK EXPERIENCE

Pushnami – *Software Engineer*

August 2024 – Present

- Built Node.js and Golang backend features in microservice architecture to improve user-to-offer matching algorithms and enable self-service business operations
- Increased revenue per visit by 20%+ and improved user progression rates through React.js frontend UX enhancements
- Implemented infrastructure as code using Terraform, created CI/CD pipelines, configured Kubernetes deployments, and implemented monitoring/alerts for system reliability

Foundation Medicine – *Software Engineer Intern*

May 2023 – August 2023

- Developed an Azure-hosted OpenAI-powered chatbot for Client Services to increase chat resolution rates by 14% overall and 35% for new hires, while tripling onboarding speed
- Engineered Kafka-enabled hospital software integrations in JavaScript to facilitate test orders
- Programmed Node.js scripts to automate team workflows and enhance operational efficiency

Principal Financial Group – *Software Engineer Intern*

May 2022 – August 2022

- Developed Python Lambda w/ SQL query called by API Gateway to identify 17,000+ potential threats
- Engineered AWS architecture for Insider Risk to identify bad actors from S3 bucket and send to SOC
- Developed ticketing service in React.js hosted on AWS Amplify with AWS Cognito authentication

PROJECTS

Freezer Pallet Drone Inspection

- Led a team of 5 in developing a web app for Ruiz Foods, visualizing pallet locations and assigning risk levels of pallet tipping, eliminating an estimated \$20,000 monthly loss and mitigating injury risk
- Architected a full-stack solution with a React.js frontend, Node.js/Express REST APIs, and a PostgreSQL database hosted on AWS RDS
- Utilized TensorFlow and Keras to build and train a Convolutional Neural Network with 98% accuracy

Lyric Learner 🎵 – [@LyricLearner](#) on Twitter ([Read how it works!](#))

- Utilized REST APIs (Genius and Twitter) in Python to parse artist lyrics and deploy Tweets via the Maven (Java) Framework
- Generated predictive artist lyrics using Markov Chains and analyzed changes in artist sentiment via Recurrent Neural Network-based Natural Language Processing from the Stanford NLP library

SKILLS

Languages: Golang, JavaScript, TypeScript, Python, SQL

Technologies: Node.js, React.js, DynamoDB, MongoDB, PostgreSQL, AWS, Redis, Kubernetes