

Micah Katz

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Education

Bachelor of Science in Computer Science

The University of Texas at Dallas

GPA: 3.689

September 2019 – May 2023

Skills

Languages: JavaScript, C/C++, Java, Python, Ansible, TypeScript, React.js, React Native, HTML, CSS/Sass, Node.js, Express

Operating Systems: macOS, Windows, RHEL, Ubuntu Linux, Raspbian

Tools: Git, Docker, RedHat OpenShift, Postman API, Visual Studio Code, React Native Expo

Cloud Services: AWS Cognito, AWS DynamoDB, AWS Amplify, AWS GraphQL, AWS OpenSearch, AWS S3, IBM Cloud

Work Experience

Software Developer Intern, Industry Engineering Lab, IBM

June 2021 – Present

- Performed installs of IBM Cloud Pak for Network Automation and assisted with the creation of the training course.
- Created scripts in Ansible that automate interactions between IBM Products.
- Developed over 10 full-stack websites using React.js and Node.js with Express and TypeScript to demo to clients.
- Utilized MQTT subscriptions to display real-time alerts for AI object detection from a camera.
- Containerized applications using docker to be sent internally or to other teams.
- Worked in RedHat OpenShift to deploy applications using HELM charts.

Remote Intern, JamFeed

June 2020 – May 2021

- Implemented new functionality such as Forgot Password, Confirm Email, Login with Apple, and JWT Authorization.
- Utilized Spotify and Apple Music APIs to allow users to import and synchronize their favorite artists in the app.
- Built a pipeline that utilizes machine learning to add notifications, extract artist names, and categorize each article.
- Used Atlassian with Confluence for documentation, JIRA for task management, and bitbucket for pull requests.
- Developed a custom “SmartReader” API to scrape news articles and display them on the app in a custom format.

Projects

Fire Alarm Safety Website (Project for Epstein Hillel School)

December 2022

- Developed a React.js website that displays the current people in the building for a school as a safety measure.

Social Media App (Personal Project)

June 2022 – Present

- Created a social media app using React Native Expo for the front end and AWS Amplify to create the back end.
- Added login/signup, recording/uploading videos, liking posts, following friends, and notifications.

Image Transformation Discord Bot (Personal Project)

February 2022 – Present

- Worked with the Cloudinary API to perform image transformations on demand for discord servers.
- Implemented a chaining system where users can chain multiple image transformations into one command.

Arduino Garage Door Scanner System (Project for Temple Beth Elohim)

November 2019 – February 2020

- Designed a system for a temple that controlled a garage door, requiring an RFID card to enter.
- Secured the garage door by adding entering/exiting logs on a SD card to protect against further break-ins.

Summer Camp Mealtimes Website (Project for 6 Points Sci-Tech Academy)

June 2019 – July 2019

- Developed a website that served as the primary distribution of information for campers at mealtimes.
- Displayed the website on TVs in the cafeteria and added an admin dashboard and announcement features.

Organizations/Leadership

Magic UTD, President and Founder

October 2019 – May 2022

Alpha Epsilon Pi Fraternity, President

July 2021 – December 2022

UTD Jazz Ensemble II, Alto Saxophone Player

August 2019 – May 2022

Six Points Sci-Tech Academy, Summer Camp Counselor and Magic Specialist

June 2019 – July 2020