Micah Katz

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EXPERIENCE

Software Developer Co-op, IBM Industry Engineering Labs, Telecommunications   Jun 2021 - Present
IBM

- Architected and led the UI development for multiple 5G Edge industry solutions built on RedHat OpenShift, a fully deployed 5G network, and different IBM products including cloud satellite, network automation, and edge.
- Scripted an internal system with Python and Selenium that automated the extension and management of VPN users, eliminating the need for manual work from the team each quarter.
- Created Ansible scripts and constructed a user interface to automate the deployment and provisioning of a ROKS Cluster through IBM Cloud Satellite via Edge.
- Utilized MQTT subscriptions and Webhooks to display real-time alerts for AI object detection from a camera, demonstrating the power of IBM Visual Inspection Products.
- Above work was used to progress client opportunities in multiple client engagements where I presented at customer workshops/key industry events and were used as the basis for PoC's resulting in multiple wins and references for IBM.

Mobile App Developer Intern   Jun 2020 - May 2021
JamFeed

- Implemented new functionality such as Forgot Password, Confirm Email, Apple login, and JWT Authorization, improving the app's security, convenience, and compatibility.
- Built a pipeline that utilizes machine learning to add notifications, extract artist names, and categorize each article on the JamFeed app, eliminating the need for the co-founder to spend more than 20 hours per week on manual work.
- Designed and developed a custom "Smart Reader" API using Node.js to display news articles in a friendly format on the JamFeed app, eliminating pop-up ads and increasing user retention.

EDUCATION

Bachelor of Science (B.S.) - Computer Science (GPA 3.6)   Sep 2019 - May 2023
University of Texas at Dallas

SKILLS

Languages: JavaScript/TypeScript, React.js, React Native, C/C++, Java, Python, Ansible, HTML, CSS/Sass, Node.js, Express.js
Tools: Git, Docker, Postman, Visual Studio Code, React Native Expo, TailwindCSS, Prisma, MySQL
Cloud Services: AWS Cognito, AWS DynamoDB, AWS Amplify, AWS GraphQL, AWS Lambda, AWS S3, IBM Cloud, RedHat OpenShift, IBM Cloud Satellite, IBM Maximo Visual Inspection Edge

PROJECTS

UT Dallas Senior Design Project | React.js, CSS, Next.js, Prisma, MySQL   Jan 2023 - May 2023
My Team was tasked with building a website for students to find tutors and schedule appointments.

Personal Website | React.js, Next.js, TailwindCSS, GCP, Docker   Jan 2023 - Feb 2023
Created a personal website using the latest web development frameworks to showcase my projects.

Temple Beth Elohim – Garage Security System | Arduino C, Soldering   Nov 2019 – Feb 2020
Designed a security system that required a valid RFID card to open a garage door.