

# JACOB SCOTT

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## SKILLS

**Languages & Frameworks:** Javascript, Node.js, Express, Typescript, Vue.js, Java, Spark

**Databases:** MSSQL, MySQL, MongoDB, DynamoDB

**Certifications:** AWS Solutions Architect Associate (SAA-CO2)

## EXPERIENCE

### Associate Backend Engineer

*Capital One*

August 2020 - current

Maintained two APIs written in Java using the Spark framework and deployed to AWS using ECS backed by a DynamoDB database. I was responsible for code changes to the APIs, updates to the infrastructure, and planning future features for both APIs.

- Refactored the system for calling third-party APIs to eliminate code redundancy throughout the codebase and to encourage better error handling.
- Designed and implemented a multi-threaded system for compiling many files from an uploaded zip file into multiple xml documents that were saved into a DynamoDB database.

### Full-Stack Web Developer

*UIC Student Affairs Technology*

January 2018 - January 2020

Responsible for the creation and maintenance of web applications written in multiple stacks. I have been the primary developer on multiple client-facing applications that are being used by thousands of students and staff members. Participated in and led requirement-gathering and development meetings with multiple clients.

- Designed and constructed a locker management system that decreased staff workload and increased ease of locker access for students.
- Worked with a client from the gym facilities to develop a new web product to help faculty and students meet their workout goals while also earning prizes.

## PROJECTS

### Campus 1871 Hackathon

*1871, Chicago Illinois*

April 2019

- The team I was a part of won first place in the competition with the judges citing our project for having the best technical presentation.
- Contributed to the team with knowledge of software systems and research into cost of development

### HackIllinois

*University of Illinois in Champaign*

February 2019

- Worked with two lead engineers from Microsoft on Powershell.
- Merged a feature into the product that allowed users to index into the back of an array using negative indexes.

## Education

### University of Illinois at Chicago (UIC)

Bachelor of Science, Computer Engineering

**Graduated: May 2020**

GPA: 3.52/4.0