

Raphael Khan



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EDUCATION

Bachelor of Science in Computer Science
Western Governors University | 2021

JavaScript-based Coding Bootcamp
Operation Spark | 2019
IBC Fundamentals of JavaScript, Functional Programming and Web Development Level 3

LANGUAGES AND TECHNOLOGIES

- Java
- Python
- TypeScript
- JavaScript
 - React, Angular, Redux, Node.js
- HTML/XML
- CSS/SASS
- PostgreSQL, MySQL
- MongoDB, Mongoose
- Object Oriented Programming, REST APIs, Socket.io, Git, Subversion, Bootstrap, Data Structures, JSON, OAuth, JWT, ORM, ODM, Firebase, Heroku, SAP ECC, SAP EWM
- AWS (EC2, S3, IAM, RDS, DynamoDB, VPC)

CERTIFICATIONS

Amazon Web Services (AWS)

- [SysOps Administrator](#)
- [Solutions Architect](#)
- [Certified Developer](#)

Microsoft Azure

[AZ-900: Azure Fundamentals](#)

WORK HISTORY

Agile Engineer

DLL Finance | *Apr 2022 - Present*

- Built, deployed, and configured cloud-based APIs using Node and Azure Functions.
- Created and integrated UI components using TypeScript, React and Redux.
- Followed TDD by writing unit and automation tests for every task.
- Investigated production issues and submitted change requests periodically.

Java Developer (Contract)

KForce Inc. | *Dec 2021 - Mar 2022*

- Utilized Java and the PDFBox library to parse and validate data from PDF reports.
- Converted flat PDF templates to editable Acroform documents using Nuance PDF software. Also wrote scripts to store and retrieve these documents in AWS S3.
- Followed Test Driven Development (TDD) by writing and configuring JUnit tests to validate functionality and ensure edge cases were accounted for.
- Translated custom AutoCAD library written in VBA to Java.

Application Development Specialist

IBM | *Mar 2020 - Aug 2021*

- Traveled to client sites to assist key users with transition from legacy ERP system to SAP ECC and EWM, working primarily in the logistics space.
- Investigated discrepancies found after conducting floor-to-sheet inventory count.

PROJECTS

Stockly: App for summarizing and applying sentiment analysis on stock news

- Implemented Python script to scrape, summarize, and apply sentiment analysis on up-to-date stock news articles.
- Designed React front-end to display summarized/analyzed news articles and allow for users to save stock info/links to a MySQL database.
- Utilized Socket.io for bilateral communication between web-client and server.

Your Next Stop: The travel app to end all travel apps

- Created and maintained Github project boards to ensure efficient collaboration.
- Developed PostgreSQL schema and Sequelize models for structured data storage.
- Authenticated users with Passport.js Google Sign-In strategy to allow for easier log-in flow and utilized bcrypt.js to encrypt sensitive data at rest.
- Designed RESTful API backend using Node.js/Express to serve dynamic data.

SimpleHoa: App for managing homeowner associations

- Established authentication using Firebase to integrate Google Sign-In for easier login flow. Used JWT to securely send this data between client/server.
- Modified user input fields to utilize drop-down menus to create user-friendly UI.
- Enabled CRUD functionality using Express to ensure smooth data flow to/from a MySQL database.