

# Constantin Koehler

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## Experience

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### Omnitracs Roadnet Technologies

Towson, MD

SOFTWARE ENGINEER I

April 2018 – Present

- Improved mobile applications used by more than 100,000 users
- Contributed to 2 server solutions that integrates with the mobile apps
- Collaboratively designed new solutions to improve User Experience

### Mindgrub Technologies

Baltimore, MD

MOBILE SOFTWARE ENGINEER

August 2016 – April 2018

- Researched Swift, Java and Kotlin best practices for developing native apps
- Architected, built and shipped iOS and Android applications to clients in a 20+ person team
- Built products that are accessible to everyone, including those with disabilities

### BackPack'Em

Baltimore, MD

LEAD MOBILE DEVELOPER

April 2015 – Sep 2017

- Developed an iOS and Android application using Ionic framework to increase user adoption
- Lead the mobile software team and determined the best practice for creating hybrid mobile apps
- Formulated a REST API to enable data transfer to and from the application

### General Electric Healthcare

Milwaukee, WI

QARA PREDIX DEVELOPER

Summer 2016

- Designed wireframe with 3 views and a dashboard to prove out a technology
- Created prioritization algorithm to identify risk in thousands of records in order to reduce FDA violations
- Integrated queries and stored procedures to compare data and assure information

## Skills

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**Programming Languages:** Java, Swift, Kotlin, Javascript, SQL, HTML, CSS

**Frameworks and Tools:** Agile, Scrum, JIRA

**Foreign Language:** Fluent in German

## Projects

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### 9 Week 5K

Swift, XCode

A "COUCH TO 5K" TRAINING APP FOR IPHONE TO GET NEW RUNNERS INTO 5K SHAPE

Coming Soon

### BGE Mobile App

Swift, Java

UTILITY APP FOR IPHONE AND ANDROID TO ALLOW CUSTOMERS TO MANAGE THEIR ACCOUNTS ON THE GO

<http://bit.ly/BGEApps>

### Tournament Scenario Tool

React, Node, HTML, CSS

ENTER SCORES FOR SOCCER TOURNAMENTS TO SEE WHICH TEAMS MAKE IT THROUGH TO THE NEXT ROUND

[tournament-tiebreaker.herokuapp.com](http://tournament-tiebreaker.herokuapp.com)

### Personal Website

Node, HTML, CSS, Bootstrap

MY PERSONAL WEBSITE TO SHOWCASE THE APPS I'M PROUD TO HAVE WORKED ON

[ConstantinKoehler.com](http://ConstantinKoehler.com)

### Senate Vote Tabulator

React, Node, HTML, CSS

WEB APP FOR BACK-OF-THE-ENVELOPE CALCULATIONS TO SEE IF A BILL WOULD PASS THE U.S SENATE

[senate-vote-tabulator.herokuapp.com](http://senate-vote-tabulator.herokuapp.com)

## Education

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### University of Maryland, Baltimore County (UMBC)

Baltimore, MD

BS IN COMPUTER SCIENCE

Sep 2014 – May 2017

GPA: 3.1