JACOB KEEN
SOFTWARE DEVELOPER

EDUCATION

University of Tennessee at Martin
- Bachelors in Management Information Systems.
- Fall 2010 - Spring 2015

Nashville Software School
- Full Stack Web Development
- July, 2016 - February, 2017

SKILLS

- HTML5
- Javascript
- jQuery
- API's/JSON
- Sass
- Github
- LINQ
- Materialize
- Ajax
- Firebase
- NPM
- Grunt
- Git
- SQL
- Python
- PowerShell
- CSS3
- Bootstrap
- AngularJS
- C#
- ASP.NET
- Bower
- Razor
- Visual Basic

EXPERIENCE

Software Developer (Interfaces) II - Net Health (May 2018 - Current)
- Assumed leadership role and took the lead on numerous large projects as a Senior Developer.
- Created proactive SQL scripts to find and alert data integrity issues.
- Added CRUD functionality using KnockoutJS, and C# to enable customers to better modify certain data objects.
- Created numerous RESTful API's that are used by customers daily.
- First in the company to utilize and create a prototype using the SMART on FHIR standard. This application is created in JavaScript, is integrated with and ran in Cerner's environment, and allow's our company to exchange healthcare data with Cerner.
- Mentored, taught, and on boarded junior developer who has recently joined the team.

Software Developer (Interfaces) - Net Health (Jan. 2017 - May 2018)
- Modified, configured, and created specialized healthcare interfaces using VB.NET, C#, SQL and Python programming languages.
- Developed full stack web application that is used on a daily basis by many members of the company, of which enhances productivity by integrating with Google Sheets, Microsoft Excel, and NetSuite.
- Assisted management in creating a new 'ticketing' system that allows for employees to escalate interface issues they may be experiencing to development.
- Worked with other members of the development team to QA changes and participate in code reviews.
- Developed in-depth SQL scripts to better allow engineers to find any data needed to complete a task.

Apprentice Web Developer - Nashville Software School
- Daily hands on application of OOP fundamentals through individual and group projects.
- Utilized the jQuery library while developing single page applications.
- Leveraged Razor for editing and creating MVC applications.
- Utilized source code/version control with Git and Github.
- Stored and retrieved database information in SQL and Firebase.
- Participated in 3 month business simulation utilizing the AGILE methodology.
- Interacted with RESTful api's to retrieve data and power web applications.
- Created single page applications in JavaScript in the Angular framework as well as HTML, CSS, Sass, Bootstrap, and Materialize.
- Participated in both group and independent projects.
- Learned how to debug code and read documentation.

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PROJECTS

Eagleville Junior Pro - (https://www.eaglevillejrpro.com)
Technologies Used: C#, .NET, SQL, LINQ, Razor, jQuery, Ajax, Bootstrap

Eagleville Junior Pro, is my first independent contractor project. This application is used for junior community sports management and allows for users to sign up for the league by entering player information and eventually paying either the entire amount in full or by a dynamic league managed payment plan, both of which utilizing the Square API. This application also allows league admins to view all user and player information, send text alerts using the Twilio API, send email alerts, update player information, update payment information for in person payments, Finally this application includes an equipment management system. This system allows for admins to create, edit, and delete equipment. This equipment can then be assigned to any players that are currently in an active league. This system tracks the total number of equipment, the number of that particular equipment assigned, and the number of that particular equipment remaining that can be assigned. Many of this application's features are locked to admin roles, and the source code is located in a private github repo, therefore to view this application, please contact me. I'd love to give you a tour.

Integration Tracker
Technologies Used: C#, .NET, SQL, LINQ, Razor, jQuery, Ajax

Integration Tracker, is an application I created while at Net Health. This application allows the engineers who implement interfaces to track their projects. These projects include numerous tracking information such as dates, contacts, facilities, and many others. This application integrates with Google Sheets, which allows Tracker to add, and update, and pull records from Google Sheets. This application also integrates with NetSuite and allows for seamless data transfer between these two applications. Finally, users are able to generate reports through a UI in the application and therefore allows numerous members of leadership (Directors, CTO, Finance) to use this reporting feature.

Cerner SMART on FHIR Integration
Technologies Used: JavaScript, HTML, CSS

IThis application is another application that I created while at Net Health. SMART on FHIR is a new standard that has been created by HL7. The goal for this task was to create a demonstrable prototype (to many of the leaders, including the CTO in the company) that exchanged data with Cerner. I was successfully able to create and demonstrate this project to those leaders. This application, which is created in JavaScript allows a user to search for patient and select patients. Once that patient has been selected, it allows for the user to view all of that patients data, as well as update many of these data objects. This project has been a breakthrough in our company and has resulted in leadership brainstorming ideas of a way to create a new product out of this technology.

FriendBook- https://github.com/jaclkeen/FriendBook
Technologies Used: C#, .NET, SQL, LINQ, Razor, jQuery, Ajax

FriendBook, is a color customizable Facebook clone. After logging in, users have the ability to search and send friend requests to other users, post new statuses, like, dislike and comment on those statuses, a conversation system that allows users to message each other, message notifications, post notifications, friend request notifications, image uploads, photo albums, a color customizable profile and home page, and much more.

Start or Sit - https://github.com/jaclkeen/Start-or-Sit
Technologies Used: AngularJS, jQuery, Materialize, Bootstrap, Sass, Grunt, Bower, Firebase

Start or Sit, is a fantasy football application used to help players collaborate and make decisions that could benefit his or her own fantasy football team. Start or Sit includes a voting system in which users can vote on the player they think should start, a comment system for players to voice their opinions, live scores, and in-depth player news and statistics.

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