EMAD AHMED

ca.linkedin.com/in/emaduahmed
github.com/emadahmed97

SKILLS

PROGRAMMING
Java
C++
HTML/CSS
JSP
SQL
Android
JavaScript

TOOLS
Eclipse
Sublime
Android Studio
Git

FRAMEWORKS
Spring MVC
Stripes
Hibernate
Bootstrap
Django

EDUCATION

UNIVERSITY OF WATERLOO
Candidate for BASc,
Systems Design
Engineering

Relevant Courses

Graphics
(SolidWorks)
Digital Computation
(C++)
Digital Systems
(Arduino)
Design
(UI/UX)

INTERESTS

NBA
Working out
Eating Healthy
Sports Media
Traveling

EXPERIENCE

TVR COMMUNICATIONS | SOFTWARE ENGINEER
JANUARY 2016 – APRIL 2016 | BURLINGTON, ON

- Reduced load time and database usage of the Channel Lineup page by 50% through efficient database querying and caching with Hibernate
- Independently designed and developed a new module for TV product that allows deployment staff to release SQL scripts with metadata about hardware for new builds
- Added new sorting feature for channel lineup that orders channels by user preference based on hospital location and advertisers
- Implemented a new logging functionality that allows system administrators to easily identify which workflows are slowing the system using logging APIs
- Added cloning feature for TV Channels across multiple hospitals that resulted in 25% less time spent to activate a Hospital by Deployment Staff
- Designed new user interface that displays the network status of light, thermometer and shade devices with online devices appearing first
- Determined which workflows were needed to be optimized by analyzing log files and assigning a 'load' score based on number of database reads
- Redesigned Prescribed Videos page to include batch deleting, an alphabetical sort of the dropdown menu and a link to view the portal of the current patient

PROJECTS

EASYNOTE | ANDROID APP
APRIL 2016 - PRESENT

- Built a note-taking app that allows users to create notes and save them to the device's persistent storage
- Added multiple screen support and used SQLite Database to store user information and preform CRUD operations

THREEMANWEAVE | WEBSITE
APRIL 2016 - PRESENT

- Currently designing and developing an interactive website featuring articles and news about the current topics in the NBA
- Using Bootstrap and Parallax to enhance UI and make site responsive on mobile and table platforms
- Working on adding back-end database to store site information using Django web framework

FEELSLIKE | ANDROID APP
MARCH 2016 – PRESENT

- Designed and developed a simple Android app that displays the temperature of a particular city and a brief description of the conditions
- Implemented a Wind-Chill calculator that reads the temperature from a location and displays the 'Feels Like' temperature
- Enhanced UI/UX by adding error-checking features and using the Shared Preferences API to store user data