

BALRAJ SINGH

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EDUCATION

Masters in Computer Engineering

GPA: 8.2/10

University of Windsor, Windsor

Jan 2017 - April 2018

Courses: Data Security & Cryptography, Computer Networks, Re-Config Computing, Engineering project Management

Bachelors of Technology (Electronics and Communication)

CGPA: 8.4/10

Guru Nanak Dev University, Amritsar

June 2012 - April 2016

Courses: Fundamentals of IT and Computer Programming, Design Patterns, Operating Systems, Digital electronics, Network Security

TECHNICAL SKILLS

Web Technologies

JavaScript(ES6), NodeJs, JQuery, Angular, AngularJs, HTML5, Bootstrap, CSS3, Express, REST API's, Sass/Less

Languages

Java, Python, C++

Database

MySQL, SQLite, MongoDB

Others

Amazon Web Services, MVC Architecture, Block-chain, Smart-Contracts, HTTP services, Sails.Js, Solidity, Design Patterns, Agile Methodology, Git, Visual Studio, NetBeans, Google Analytics, WCAG Requirements

WORK EXPERIENCE

The Herd

November 2018 - Present

Developer

- Responsible for coding and design of a website as indicated by organization's needs.
- Assisted in setting-up company's AWS account.
- Responsible for testing/monitoring website performance and proactively developing approaches to enhance technical performance metrics.
- Suggested user insight software (mixpanel) to track user interactions with website.
- Working with graphic designer to keep up design consistency and aesthetic of content.

ReliablyMe

July 2018 - November 2018

Full Stack Developer

- Involved in all phases of software development life cycle with emphasis on MVC architecture
- Assisted in blockchain development on Ethereum platform and managed Smart-Contracts using Solidity.Js
- Responsible for adding new features in the application using Sails.Js, Node.Js, and Angular
- Migrated EC2 instance of an existing AWS account to company's new account
- Managed databases, involved in creating Tables, Stored procedures with the help of Joins in SQL server
- Responsible for upgrading the application from Angular Version 2.0 to 4.0

AccessLocator

Web Developer(Internship)

April 2017 - November 2017

John McGiven Children's Center

- Worked with lead developer to improve the web application using PHP and the Laravel framework
- Responsible for enhancing view of category using HTML, CSS, and Bootstrap to show the description at the bottom of the page on hovering.
- Developed a data collection tool, with Java, for importing location-data from Open-Street Map API's.
- Involved in implementing automated tests using PHPUnit
- Added around 300 new locations from Open Street Map

PROJECTS

Chat App

March 2018 - July 2018

NodeJs, JQuery, HTML

- Created a real-time chat application using the Socket.io, Express, JQuery, and Java Script.
- The message history is stored in a relational database (SQLite)

Customer/Orders Application

January 2018

JavaScript & AngularJs

- Built a Single Page Application using MVC design pattern.
- Stored user data on the server in JSON format and is accessed using the RESTful Web Services.
- Used concept of Routing, Factories, Controllers, and Animations in Angular2.0

AES Algorithm Implementation

2017 March

Java

- Used Crypto libraries of Java ES6 to develop a software for enc/decryption of input data.
- Implemented Abstraction, Inheritance, Encapsulation concepts to keep the code compact.

Travel Book

2016 July

Java, HTML, CSS

- Built a multi-page application using Java servlet, Apache Tomcat, Google API's, and MySQL.
- Used Ajax to send and retrieve data from the Apache HTTP server.

AWARDS

Winter Hackathon- Uuniversity of Windsor

February 2017

Java

Open StreetMaps Location

- Worked with fellow MEng student to create Open Data Location Downloader for collecting data from OpenStreetMap API's & converting it into CSV format. The data is then used by accesslocator.com