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EDUCATION

Master of Science in Computer Engineering, Syracuse University, New York

May 2018

Relevant Coursework:

GPA: 3.89/4.0

- Object Oriented Design
- Database Management System
- Software Engineering
- Software modelling & Analysis
- Android Programming
- Artificial Neural Network
- Advanced Data Structure & Algorithm
- Advanced Computer Architecture
- Design Patterns

Bachelor of Engineering in Electronics & Communications, L. D. College of Engineering, Gujarat, India

July 2015

TECHNICAL SKILLS AND INTERESTS

Operating System: Windows 07/10, Linux, mac OS

Programming Skills: C++, C#, Java, XML, SQL, Python, PowerShell scripting, Android

Web Technologies: HTML5, CSS, JavaScript, AJAX, ASP, PHP, Node.js

Databases, Frameworks & Others: Tools: MySQL, SQL, MongoDB, Apache Kafka, MAVEN, Spring MVC, Hibernate, Jersey, Spring boot

INDUSTRIAL EXPERIENCE

Software Developer intern, The Davey Tree Expert Company, New York, US

Aug 2017 – Present

- Developing a system using C++ & Java to simulate the effects of changes in tree covers and impervious surfaces on hydrological cycle
- Analyzing performance and logical issues with system and resolving those issues by debugging and using system logs

Research Assistant, Syracuse University, New York, US

May 2017 – Aug 2017

- Designed and developed Android application for collecting user's behavior with demographic data and other affecting factors to provide them accurate recommendations regarding their upcoming conference events

Software Engineer, Cybage Software Pvt Ltd, Gandhinagar, India

Jul 2015 - Aug 2016

- Developed Windows application based on SharePoint Object Model to fetch the data from SharePoint websites and to give an administrative access of the website content using C# language .NET framework
- Worked on development of SharePoint data migration Application using C# .NET framework to migrate SharePoint website data between different SharePoint versions
- Developed a fully featured book selling website with server-side using C# ASP.NET MVC framework and database stored in SQL Extensively used HTML, JavaScript, AJAX technologies for client-side services
- Have significant experience in System analysis, debugging and solving application issues
- Efficiently worked in all phases of SDLC including requirement gathering, design, implementation, testing and documentation

Engineering Intern, Bharat Sanchar Nigam Limited (BSNL), Ahmedabad, India

Jul 2014 - Dec 2014

- Developed a telecom equipment failure detection system using state change detection in Arduino which gets logged in MySQL
- Created Android application which gets notifications on equipment failure with detail information about failed system

PROJECTS

Home Inspection Service Web Application (Node JS, MVC framework, MongoDB, OpenShift)

Current

- Developing a website to provide a platform where user can request for professional home inspection before leasing/buying home
- Interested persons can get registered on website and get trained for inspection. They will get notified when any user requests for inspection for home nearby to their area; whoever accepts first has to inspect home, submit detailed inspection report and get paid

Billing services using Kafka (Java, Protocol Buffers, Kafka, Amazon AWS EC2)

Jul 2017

- Designed a publisher-subscriber based messaging system for simulating transaction process of a billing service using Java & Apache Kafka. Deployed it on cluster of AWS EC2 instances to simulate the real-world transaction scenarios and evaluated the performance.

Cloud Database Web API Service (Java, JAX-RS, JavaScript, HTML5, Apache Tomcat, Servlet)

Jun 2017

- Developed NoSQL database which accepts JSON data and implemented query engine to support all database queries like MongoDB
- Implemented indexing using BST for optimizing query operations and provided data persistent
- Provided it as REST web API service with webpages to manage on-server databases and its authorization

Travel Buddy (Java, Node.js, MongoDB, Amazon AWS EC2, Android)

Mar 2017

- Travel App that provides tourist attractions information, language translator, diary entry, other features

Dependency-Based Remote Code Publisher (C++/CLI, HTML5, CSS, JavaScript, Socket)

Apr 2017

- Developed client-server application to publish source code files as web pages on server with embedded dependent child file links
- Generates dependency and strong component analysis asynchronously for each published file on server side
- Supported HTTP style message communication and file transfer using sockets and client interaction using WPF

Software Collaboration Federation (C#, WCF, WPF)

Dec 2016

- Prepared Operational Concept Document, discussing architectural ideas for project and implemented it in C# .NET framework
- Provided code check-in/extract facilities in Repository server which does integration testing using Test Harness
- All the remote communication between clients-servers are implemented using WCF and GUI using WPF