PRANNOY SINGH

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OBJECTIVE

Work on interesting and challenging projects to further develop and enhance my abilities in the field of computer science.

EDUCATION

Syracuse University, NY   **July 2018**
M.S Computer Engineering (Software Track)
● Related Courses: Cloud Computing, Object Oriented Design, Advanced Data Structures, Advanced Computer Architecture, Design Patterns and Software Modelling and Analysis, Internet Programming, Mobile Application Programming.
● Applied for AWS Solution's Architect Certification this Summer

Baddi University, Himachal Pradesh, India   **July 2015**
B.Tech in Computer Science
● Completed the IBM-ICE program with specialization in cloud computing.

TECHNICAL SKILLS

Programming Lang: Java, C#, C++, Python, C, Swift, SQL.
Software Tools: Visual Studio 2017, Eclipse, IntelliJ Sense, Xcode, Jupyter, Pandas, NumPy.
Web Technologies: HTML, CSS, JavaScript, PHP, Bootstrap.
Databases: My SQL, Hadoop.
Frameworks: ASP.NET, Spring MVC, Hibernate.

WORK HISTORY

Software Engineer, Capgemini   **Oct 2015 – Dec 2016**
● Active participation in gathering user requirements, designing, developing and deploying the necessary Java components as per project phase with good knowledge in Software Development Life Cycle(SDLC) and agile methodologies.
● Development and deployment of server side Web Components i.e. JSP, Servlets, JavaScript's and CSS files.
● Experience in using various design patterns like singleton, mediator, factory and development of Java code in a layered approach.
● Modified existing software to correct errors, upgrade interfaces and improve performance.

Intern, Vertex Infotech   **June 2014 – Aug 2014**
● Requirement gathering, analyzing, database design, coding, testing and maintenance.
● Designed and developed a web application which automated the project management process in the company.
● Participated in implementation of smaller modules into larger ones.
● Prepared comprehensive and detailed technical documents.

PROJECTS

Core Build Server – Developed server that provides continuous code integration in a multi-threaded environment. It is implemented using Windows Communication Foundation (WCF) and GUI is designed in Windows Presentation Foundation (WPF).
NoSQL Database - Developed a Key/Value store NoSQL Database System to handle large databases and offer higher scalability and flexibility while performing advanced operations of handling data and complex operations such as query processing.
E-Commerce Website - Designed and developed an e-commerce website which allows users to shop for groceries and household items. It was designed using HTML, CSS, JavaScript, PHP and SQL.
Tourist Guide- Developed an iOS application where user gets detailed information i.e. ratings and reviews about all the Restaurants, Hotels, Tourist attractions, Gas Station, etc. in a categorized manner. Data is displayed depending on the user's location.
Type Based Dependency Analysis - Designed a Code Analysis Tool to analyze dependencies between source code files based on types such as classes, structs, enums, typedef, global function definitions.
Remote Code Publisher – Developed a software that allows source code files to be published into HTML files with their dependent source code files added as hyperlinks with functionality to access it over a socket based communication channel using HTTP style request/response messages.
Dependency Based Code Publisher - Developed a publisher program that provides creation of web pages, which captures the contents of C++ source code. It has the facility to expand or collapse class bodies, methods and global functions using JavaScript and CSS properties.