vaibhav kumar

## **vkumar05@syr.edu|** [**GitHub**](https://github.com/vaibfab) **|** [**LinkedIn**](https://linkedin.com/in/vaibfab) **|315-800-8619**

Objective

Looking for Software Engineering and Full Stack developer roles starting December 2019.

Education

|  |  |
| --- | --- |
| ***Master of Science***, Computer and Information Science, Syracuse University, Syracuse, USA, December 2019. (GPA:3.4) | ***Bachelor of Engineering***, Information Science and Engineering, Visvesvaraya Technological University, India, June 2012 |

Experience

***Full Stack Developer, Research and Graduate Programs, Syracuse University* (May 2019-Current)**

* Designing and developing applications taking total ownership and responsibility.
* Proposed, designed and developed standalone Faculty Management System for Syracuse University College of Engineering and Computer Science.

***Graduate Teaching Assistant, Internet Programming (graduate level), Syracuse University* (Jan 2019-May 2019)**

* Worked as a Graduate Teaching Assistant for Dr. Jim Fawcett for *Internet Programming (CSE-686)*, a graduate level course.
* Prepared course materials, gave lectures, organized and evaluated weekly labs and projects.
* Held office hours to provide help for labs and projects.

***Team Lead-Development, Tata Consultancy Services, New Delhi, India* (Oct 2015-Feb 2016)**

* Led development of HSB-Bupa insurance portal for Hang Seng Bank (HSB), Hong Kong.
* Interacted regularly with client to support requirement management and timely and quality delivery of product modules.

***Senior Software Developer, Tata Consultancy Services, Jubail, Saudi Arabia* (July 2015-Oct 2015)**

* Designed and developed Internal Job Posting system for HR management system and also monitored progress of other modules for Saudi Basic Industries Corporation (SABIC).

***Developer, Module Lead, Tata Consultancy Services, New Delhi, India*  (Feb 2013-April 2015)**

* Started as a trainee software engineer and progressed to become module lead of two major modules of a very large scale and globally recognized Supply Chain Management System IMMOLS.
* Worked with Research and Development team to develop reusable components which made application more secure, efficient and economical by avoiding purchase of any Commercial off-the Shelf (COTS) or any third party products.

***Software Engineer-Trainee, Tata Consultancy Services, Trivandrum, India* (Oct 2012-Jan 2013)**

* Led a team of six trainees in developing the “Vacancy and Recruitment” module and supervised the task of integration of all the modules.

Academic and Independent Projects

**MicroServices, |** Course: Distributed Objects**|** Skills: C#, ASP.NET Core MVC, Microsoft Azure, Docker Containers, React.js, CSS3, JavaScript, PowerShell, RabbitMQ, SignalR.

* Developed a connected system of several containerized micro services with an API gateway, working together to provide a collaboration tool for a software development team.

**Remote Package Analyzer |** Course: Software Modelling and Analysis**|** Skills: C#, WPF, WCF

* Developed a scalable package analysis tool which performs code and package analysis for dependencies.
* Front end, developed in WPF, communicates with the server through an asynchronous message passing communication channel implemented using blocking queue.

**Source Code Repository |**Course: Object Oriented Design**|** Skills: C#, C++, WCF, WPF, XML.

* Keeping the design and structure of the software and following core object oriented design ideas, developed Key-Value pair based NoSQL database which provide user actions such as Check-In, Check-Out and browsing of source code files.

**Nucleus Message Passing |**Course: Principles of Operating System**|** Skills: LINUX, C, C++.

* Implemented nucleus message passing system using asynchronous message passing and system calls.

Skills and Interests

***Programming:*** C#, C++ (managed and unmanaged), C, Python

***Web*:** HTML 5, ASP.NET Core MVC, JavaScript, jQuery, React.js, CSS3, Bootstrap, XML, PHP

***Database*:** Microsoft SQL Server, NoSQL, MySQL, T-SQL

***Misc.*:** Microsoft Azure, Entity Framework Core, Micro services, WCF, WPF, Unix Shell Scripting, Docker Containers, DevOps, Object Oriented Design, Design Principles, Distributed Objects

***Tools*:** Visual Studio, SQL Server Management Studio, Git, TFS, VSTS, PowerShell, PyCharm, Jupyter Notebook. MySQL Workbench, Azure DevOps, Adobe XD, IIS

Awards, Recognitions and Involvement

* Awarded with 30% scholarship for MS Computer Science program at Syracuse University, New York (2018-2019).
* Awarded with ILP Kudos, several “on the spot” awards as developer and module lead and best team while working for TCS.
* Obtained various awards while playing competitive cricket at different levels such as school, university and senior division leagues.
* Lead school and college teams for cricket and soccer.