KASHYAP VENGALATHUR SRIKANTH

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OBJECTIVE

Passionate Software Engineer enthusiastic about developing and maintaining practical software solutions. Adept in analyzing existing software and create new innovative software solutions. Work with self-confidence and contribute to the growth of the organization.

EDUCATION

Aug, 2014 – May, 2016 (Expected) ***Illinois Institute of Technology***, *Chicago, Illinois*
Master of Science, Computer Engineering, CGPA 3.33

Aug, 2008 – May, 2012 ***SSN College of Engineering, Anna University***, *Chennai, Tamilnadu, India*
Bachelor of Engineering, Electrical and Electronics Engineering, CGPA: 3.2

Courses: *Parallel and Distributed systems, Web Application Development, Operating system design and Implementation, Object oriented Programming, Cloud Computing, Computer Networks, Advance database organization, Algorithms, Data warehousing*

EXPERIENCE

Dec, 2014 - May, 2015 *Software Developer*, Illinois Institute of Technology, Chicago, IL

- Developed a web crawler application to automatically obtain LinkedIn profile information.
- Implemented using **Java** utilizing selenium **phantomwebjs API**.
- Created an automatic data validation script to remove duplicate entries.
- Indexed the database and improved the response time of the corporate relations portal.

Dec, 2012 – July, 2014 Software Developer, Cognizant Technology Solutions**,** Chennai, Tamilnadu, India

- Created a data warehouse in **Oracle** database to process the claims for an Insurance Company.
- Identified additional elements required for constructing the data mart to process OLTP as a data modeler.
- Automated the job process in **Informatica** tool and reduced the development time.

SKILLS

Operating Systems*: UNIX, Windows, Minix.*
Languages*: Java, C, C++, Python*
Scripting Languages: *JavaScript, Node.js, PHP*
Database and Client/Server Technologies*: Oracle (SQL, PL/SQL), MySQL.*
Technologies*: Hadoop, Parse (Facebook) web service, Socket programming, Multithreading.*
Tools: *GitHub, Eclipse, NetBeans*

ACTIVITIES & ACHIEVEMENTS

Winner of TAD Hack- Hackathon*: 06/14/2015*

- *Created a web application* called **InterEview** which is capable of scheduling and conducting online video, phone interviews as well as create test environment to conduct challenges.
- Webapp link: http://videoassist.parseapp.com/
- The website used forge's web RTC (real time communication) to communicate. The website was hosted on parse cloud and JQuery, Node.js, HTML5 was used to create and host the website.
- Details of the hackathon can be found in *http://blog.tadhack.com/2015/06/15/tadhack-global-winners/*

Winner of Cisco's IOT- Hackathon*: 10/12/2014*

- Created an Android application **Fleetmatix** that utilized cisco's CMX technology which enables indoor navigation.
- The application used this technology to provide location specific information to the application.
- Details about the hackathon can be found in https://communities.cisco.com/community/developer/blog/2014/10/14/iot-world-forum-hackathon-results

Awarded rising **star award** in cognizant in the first three months of the tenure.
Student member of HKN-Delta chapter at Illinois Institute of Technology.
Student member of NEN (National Entrepreneurship Network) SSN chapter and Toastmaster club.

ONLINE PROFILES

Hackerrank: https://www.hackerrank.com/vkashyapsrikanth

PROJECTS

HADOOP – WORD COUNT IMPLEMENTATION

- Working on creating a shared memory word count application using java, **Hadoop**.
- Created an instance in **amazon –aws** and created a 4 node virtual instance
- Map-Reduce programming model in Hadoop to implement the word count.
- Source code repository: https://github.com/kvengala/CloudCOmputing

VERILOG INTERPRETER

- An interpreter capable of parsing Verilog program into machine language.
- The test program was created to enable the interpreter to run for 1000 cycles before applying it to specified hardware.
- **C++** programming language was used to create the Verilog interpreter.
- The Verilog output is useful in realizing the digital logic circuit.
- Source code repository: https://github.com/kvengala/Verilog

IPC-SYSTEM CALL IMPLEMENTATION IN MINIX

- Developed a kernel in minix OS with the ability to implement custom kernel commands.
- Created system calls which can be invoked using the user program.
- Designed specific scheduling algorithm to prevent deadlock.
- Created a system program to recover data lost from the super block
- The minix image can be found in the link: https://drive.google.com/open?id=0BwPrFqGXQFWLM2xJcUc5WksxM1E

IMPLEMENTING A GNUTELLA TYPE PEER – PEER FILE TRANSFER APPLICATION

- Implemented a simple peer to peer file transfer application.
- The application was designed in both mesh and central topology.
- Multithreading, Load sharing load balancing where implemented in the design.
- The project was implemented in **java and RMI (Remote Method Invocation) api** was used.
- Source code repository: https://github.com/kvengala/Gnutellatypep2p-application

IMPLEMENTATION OF MINI DATABASE

- Built a miniature database prototype to load and manage data.
- Built a buffer manager with different cache replacement strategies.
- Query parser function to display database results based on user input, the project was implemented using **C**.
- Used **valgrind** to identify memory leaks and improved the performance of the program.
- Source code repository: https://github.com/kvengala/Advance-Database

LINKEDIN COMPANY-SEARCH WEBAPP

- Building a company search Webapp using **Linkedin api.**
- Mapping the company based on the first and second level connection of each Linkedin user.
- An interactive web portal is being built using html5 front end and **Python -Django- web framework** as backend.
- Source code repository: https://github.com/kvengala/Linkedin_project