

Pradeep Nayak Udupi Kadbet

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Objective

To solve real life problems using my programmatic and algorithmic skills and build products for the betterment of the society. I am currently looking for full-time positions for May 2014

Experience

NetApp – Summer Intern

May 2013 – Current

Building a dashboard for visualizing different agile project management metrics

Graduate Assistant - University of Southern California

October 2012 – April 2013

Web Developer at The Graduate School

D E Shaw & Co - Member Technical Staff

July 2010 – July 2012

Building automation tools using Perl and Python. Developed SharePoint web parts for the company intranet. Developed Web Applications using HTML, CSS and JavaScript. Also wrote an iPad app for viewing conference room events and scheduling meetings.

Education

University of Southern California

Fall 2012 – Present (Graduating: 2014)

Major: MS Computer Science GPA: 3.66

Currently Enrolled Courses: Computer Communications, Advance Database Systems

Completed Courses: Operating Systems, Introduction to Networks, Web Technologies, Algorithms, NewSQL & NoSQL Database Systems

P E S Institute Of Technology, Bangalore

September 2006 – June 2010

Bachelor of Engineering – Computer Science GPA: 81.5 % /100

Skills

- Programming Languages: C, Python, C++, Perl, Java, C#
- Web Technologies: HTML, CSS, PHP, JavaScript, node.js
- Databases: MySQL, SQLite, MS SQL
- Operating Systems: Mac OS X, Linux (Ubuntu), Windows
- Mobile: Android SDK

Projects

Evaluating SPDY with QUIC

Duration: August 2013 - Current

Porting a SPDY protocol implementation to use QUIC and to perform a comparative evaluation regarding its performance and functionality both with and without QUIC

Contextual Search Engine for educational video lectures

Duration: 9 months

To make videos search-able as one would search a text document. To skim through videos as one would skim through a text document. Our purpose was to make editing, re-purposing videos as easy as text. **Videos are the new text.**

Weenix Kernel

Duration: 4 months

(i) **Processes, Threads and Synchronization primitives:** Built basic building blocks for the Weenix operating system: threads, processes, and synchronization primitives (mutexes) and the scheduler.

(ii) **Implementation of the Virtual File System:** built a common interface between the operating system kernel and the various underlying file systems (AFS and the S5FS file systems). As a part of the project various system calls like open, read, write, lookup, etc. were also implemented.

BG benchmark to evaluate different data stores

Duration: 2months

BG benchmark developed at USC was used to benchmark MySQL augmented with ehcache data store.

Alternate Memory Manager for memcached

Duration: 3 months

Wrote a buddy system based memory manager for memcached.