Ashish Jindal

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Education

- **Rutgers University - New Brunswick** New Jersey, US
  MS in Computer Science; GPA : 4.0 *Aug, 2015 – May, 2017*
  - Key Courses: Data Structures and Algorithms, Operating Systems Design, Database Systems Implementation.
- **National Institute of Technology - Hamirpur** Himachal Pradesh, India
  B.Tech. in Electronics and Communication Engineering; CGPI : 7.83 *Aug, 2008 – May, 2012*
  - Key Courses: Digital Electronics and Logic Design, Data Structures, Microprocessors, Micro-Controllers and Embedded System Design, Mobile Communication, Differential Equations and Probability.

Work Experience

- **Software Engineer, Nagarro** Jul, 2012 – Jul, 2015

Quicken: Windows based personal finance management application.

- Redesigned the budget feature in application and extended it to support automatic budget creation using pre-categorized transactions.
- Improved transaction reconciliation algorithm of the application; reduced time from O(mn) to O(m log n).
- Revamped a custom WIN32 control – Quickfill and improved it's service via caching and asynchronous data loading.

Unified Fleet Distribution system: Windows based fleet management application.

- Ported the server side C++ code from x-86 to x-64.
- Implemented an application to automate log analysis and report generation.

Ldrive: Web based supply chain management system.

- Implemented data export services in the web-application using Apache poi.
- Provided L3 and L4 support service to the client.

Skills

Languages: C (Proficient), C++ (Intermediate), Java (Intermediate), HTML (Proficient), CSS (Intermediate), JavaScript (Beginner), SQL (Beginner)

Technologies: MongoDB (Beginner), SpringMVC (Intermediate), Hibernate (Intermediate), Spring Security (Beginner), Apache Tiles (Beginner), Bootstrap (Intermediate), Hadoop (Beginner), AWS [S3, EMR, EC2] (Beginner)

Projects

Linux Scheduler: Implemented multi level feedback queues based scheduler in Linux kernel 2.4 and compared its performance with the older O(n) scheduler.

UFS based File System: Implemented a basic version of Unix File System using Fuse module which supports create/delete/read/write of files using direct indexing and also supports mkdir/rm/ls on directory entries.

Wikipedia data analysis using Hadoop: Analysis of Wikipedia page popularity trends using a simple baseline algorithm and comparison of relative page ranks of various Wiki pages using Map-Reduce. Nominated as best class project.

Awards

Most Promising Fresher: Received this award from my employer - Nagarro.