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

Nagarro Inc   Jul, 2012 – Jul, 2015
Software Engineer
- Worked on a Java based supply chain management system for a leading European airline company. Upgraded data export services of the application using Apache poi-SXSSF to facilitate low-memory footprint data export.
- Worked on a WIN32 based desktop application, where my work involved revamping custom WIN32 controls and improving their service via caching, asynchronous data loading etc.
- Member of New Technology Exploration Group (NTEG); Implemented several PoC projects to showcase HTML5 features - Canvas, Local Storage, Drag and Drop, Application Cache etc.
- Involved in new engineers hiring and training process.

Projects

Linux Scheduler: Implemented multi level feedback queues based scheduler in Linux kernel 2.4 and verified its improved performance over the older O(n) scheduler. Also handled priority inversion scenario in the scheduler implementation using priority parenting strategy. [C]

Simple File System: Implemented a basic version of Unix File System using Fuse module. Files system supports create/delete/read/write of files using direct indexing and also supports mkdir/rm/ls on directory entries. [C, Fuse]

Wikipedia data analysis using Hadoop: Analysed Wikipedia page view count logs using a simple baseline algorithm to find the trending Wikipedia pages in the sampling interval. Also compared the relative page ranks of Wiki pages using Map-Reduce. Nominated as best class project. [Java, Hadoop, MongoDB, SpringMVC, AWS]

Web based Employee portal: Implemented an employee portal application for a call center company as a free lancer project with features including work tracking, shift management, payroll management, holiday/leave management and performance tracking. [Java, Spring, Hibernate, Apache Tiles, Bootstrap]

Awards

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

Gold Medal: Won gold medal in National Mathematics Olympiad, India.

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)