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

  Ldrive: Java based Web application for a supply chain management system.
  - Implemented data export services in the web-application using Apache poi.
  - Designed a multi-transaction based query system for the application to help retrieve large data from database using bounded memory.
  - Provided L3 and L4 support service to the client.

  Quicken: Windows based personal finance management application.
  - Revamped a custom WIN32 control – Quickfill and improved it's service via caching and asynchronous data loading.
  - Redesigned application controls by writing C++ wrappers over WIN32 implementation; to help facilitate easier debugging and extensibility.

  NTEG: New Technology Exploration group.
  - Implemented a HTML5 canvas and Angular JS based tic-tac-toe app as a PoC project.
  - Involved in creating projects to showcase HTML5 and CSS3 features.

Projects

Employee portal for a call center: 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, Apache Tiles, PostgreSQL, Bootstrap, HTML, CSS, JS]

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]

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. [C]

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. [C, Fuse]

Awards

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

Skills

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

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