Adil Z. Ansari

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Professional Experience

Chartboost *April 2014 - Present*

Software Engineer

- Re-engineering and maintaining critical REST based backend services using Flask.
- Driving substantial improvements to improve quality of codebase and remove integration issues.
- Wrote new video encoding pipeline which resulted in >20% decrease in bandwidth consumption and 6%-9% increase in revenue through videos.
- Developing data analysis tools for business management.
- Stack: Python, PHP, Javascript, MongoDB, Redis, Hive, Celery.

Samsung Telecommunications America *May 2013 - Aug. 2013*

Software Engineering Intern

- Contributed to the development of RESTful web services over mobile platforms.
- Developed Object Oriented code to port the existing framework onto Android networking library, Volley.
- Enhanced the execution of JSON/Bitmap REST calls using Volley's in-memory and disk caching.

eGain Communications Pvt. Ltd. *July 2011 - July 2012*

Software Testing Engineer

- Provided ad-hoc and case driven testing during product life cycles.
- Led testing efforts as a primary resource on Cobrowse project for global clients like Statefarm, USA.
- Developed an internal knowledge base portal to ensure better collaboration and quick disposal of information.

Skills

- **Software Development:** Incremental methods, Software Design Patterns and Continuous Integration.
- **Programming:** Python, JAVA, Php, C, SQL, NoSQL, Javascript, MATLAB, HTML, LaTeX
- **Platforms:** Android, Hadoop MapReduce, Hive, Apache Storm.
- **Operating Systems:** UNIX, GNU/Linux, Win32.
- Familiarity with Threads, Sockets, TCP/IP, REST, Git, Celery.

Education

University at Buffalo, The State University of New York **GPA: 3.3/4.0**

Master of Science in Computer Science *Dec. 2013*

Relevant Coursework:

Analysis of Algorithms	Operating Systems	Distributed and Parallel Processing
Distributed Systems	Networking Concepts	Data Intensive Computing

Gautam Buddh Technical University

Bachelor of Technology in Computer Science *June 2011*

First Division

Projects

Python Scribe Logger (https://pypi.python.org/pypi/scribe_logger) *2015*

- A low level interface for writing to Scribe, enabling real time streaming of aggregated log data.
- A log handler which plays nicely with Python's logging facilities.
- Averages 1000 downloads per month.

Cloud Computing Applications (JAVA, Hadoop, MapReduce, Apache Storm) *Coursera 2015*

- Aggregated a dataset of 6 million tweets & implemented MapReduce algorithms for word, #tag and @counts.
- Performed similar analysis using Apache Storm on the dataset.
- Implemented page rank algorithm using MapReduce.

Amazon's Mini Dynamo (JAVA, Android, Multithreading, Distributed Systems) *Spring 2013*

- Developed a stripped-down version of Dynamo, a backend storage with real time node joins.
- Implemented ID space partitioning and applied ring based routing scheme for load distribution.
- Quorum based replicated Key-Value storage with failure handling.

Multithreaded Web Server (C, Unix, Multithreading) *Fall 2012*

- Designed a queuing and scheduler module on separate thread and dispatcher module using thread pool.
- Implemented Shortest Job First and First Come First Serve CPU scheduling policies to serve the requests.
- Developed a functionality to log the incoming requests and to generate a directory index.

Peer to Peer file sharing system (JAVA, Multithreading, Socket Programming) *Fall 2012*

- Decentralized p2p distributed file sharing program prototyped and implemented on Gnutella protocol.
- Search query is flooded through network, and a central routing table is maintained for all peer activities.
- Nodes communicated over TCP alongwith real time traffic monitoring.

Certifications

Oracle Certified Professional, JAVA SE 6 Programmer *Jan. 2011*

Sun Microsystems certified JAVA Web Application Developer *July 2011*