

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, L^AT_EX
- **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 along with real time traffic monitoring.

CERTIFICATIONS

Oracle Certified Professional, JAVA SE 6 Programmer

Jan. 2011

Sun Microsystems certified JAVA Web Application Developer

July 2011