

# ADIL Z. ANSARI

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## PROFESSIONAL EXPERIENCE

### **Chartboost**

*April 2014 - Present*

#### ***Software Engineer***

- Leading project teams and defining software quality standards.
- Re-engineering and maintaining critical RESTful backend services using Flask.
- Driving substantial improvements to 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.
- Stack: Python, PHP, Javascript, MongoDB, Redis, Hive, Celery, AMQP.

### **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.

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## SKILLS

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

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## 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*

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## PROJECTS

### **Python Scribe Logger** ([https://pypi.python.org/pypi/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.

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## CERTIFICATIONS

Oracle Certified Professional, JAVA SE 6 Programmer

*Jan. 2011*

Sun Microsystems certified JAVA Web Application Developer

*July 2011*