Zameer Manji

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About Me

I'm seeking a Software Engineering position involving backend systems. I give a preference to positions which leverage my background in cluster scheduling and container management with Apache Aurora and Apache Mesos. I'm passionate about immutable, reliable, automated infrastructure that scales with organizational needs.

Work Experience

Twitter   **San Francisco, CA**
Software Engineer II   *September 2015 - Present*
- Contributed to internal deploy system to allow users to deploy to multiple Apache Aurora zones.
- Independently worked on reducing technical debt on task specific observability tooling.
- Collaborated with many engineers at Twitter to improve internal Python build hygiene.

Twitter   **San Francisco, CA**
Software Engineer I   *August 2014 - August 2015*
- Contributed usability fixes to the Apache Aurora command line client.
- Created an analytics pipeline to gain better understanding of cluster utilization and allocation.
- Worked with operators to increase overall reliability of compute cluster.

Twitter   **San Francisco, CA**
Intern   *September 2013 - December 2013*
- Improved Aurora preemption to terminate multiple low priority tasks in favor of high priority tasks.
- Enhanced scheduling algorithm to penalize short lived tasks to reduce wasted scheduling attempts.

Twitter   **San Francisco, CA**
Intern   *January 2013 - April 2013*
- Designed and implemented a stream filtering system on top of Apache Kafka to reduce stream size.
- Created a DSL for operators to filter streams of arbitrary Thrift messages.

DISQUS   **San Francisco, CA**
Intern   *May 2012 - August 2012*
- Worked on performance measurement tools to catch regressions before systems were deployed.

The Working Group   **Toronto, ON**
Intern   *September 2011 - December 2011*
- Full stack work using Ruby on Rails and JavaScript projects for various clients.

Xtreme Labs   **Toronto, ON**
Intern   *January 2011 - April 2011*
- Full stack work using Ruby on Rails and JavaScript for an OpenX based mobile ad network.

Trapeze Group   **Mississauga, ON**
Intern   *May 2010 - August 2010*
- Improved web interface and search functionality on bus dispatch application for transportation agencies.

Education

University of Waterloo   **Waterloo, ON**
Bachelor of Software Engineering   *September 2009 - June 2014*
- Related Coursework: Compilers, Programming Languages, Operating Systems, Distributed Systems.
- Proposed patches to eCryptfs file system to support integrity protecting cipher modes for design project.
- Created a compiler for a subset of Java 1.3 for the x86 architecture for compilers course.

Keywords

Languages: Prefer: Python, Scala **Have Used:** Java, Ruby, C++, JavaScript, **Want To Use:** Rust
Systems: Apache Aurora, Apache Mesos, Docker, Private Cloud