Ankush Agarwal

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Summary	Backend Infrastructure and Systems Engineer with three years of experience running high scale infrastructure. Loves building container-first Cloud Infrastructure, Docker-centric Developer workflows, CI pipelines, and eventual Deployment pipelines.

Open Source

- Active contributor to *docker/docker* on Github

Interests and Expertise

- Docker centric Developer environments and tools
- Modern container based service oriented architectures for Cloud and BareMetal
- Compute Infrastructure automation, scalability and management
- Docker based systems dynamic clustering, orchestration and fast deployment pipelines

Experience

Infrastructure Engineer, Addepar   Dec 2014 - Present
- Responsible for Architecting the JAVA - microservice framework
- Integration of TwoFactor Auth into the webapp
- Rewriting the autoscaling CI pipeline to minimize build/deploy times
- Giving tech talks and creating a Docker-centric Developer workflow

Software Engineer II, Rocket Fuel   July 2012 - Dec 2014
- Work on a real-time bidding system that participates in various ad-exchanges to select the best inventory from among billions of bid requests
- A major focus is scalability and maintainability – building industrial strength algorithms and data structures to handle high volumes of requests in a robust and fault-tolerant manner
- Implemented and deployed a high-performing reverse-proxy across RocketFuel's infrastructure to reduce dropoffs due to Java GC
- Built a scalable Web-Crawler in Java which crawls hundreds of sites a day for understanding the digital-advertising landscape

Research Assistant Advisor:**Mordecai Golin**, *HKUST, Hong Kong*   2010
- Worked on Optimization of Broadcasting time in Gabriel Graphs.

Other

Secured **All India Rank 11** in IIT-JEE, 2008
Aditya Birla Scholarship, 2008

Languages and Tools

Languages(Proficient):	JAVA, Bash
Languages(Familiar):	Golang(Need to Google Syntax), Python
Productions Systems:	Jenkins, Consul, Graphite, Puppet, Nagios, Logstash, ElasticSearch, Docker - {Machine, Swarm, Compose}, Vagrant
Other:	I can sculpt text with cut, grep, awk, sed, sort and uniq but I still have to google the syntax for creating a tar.gz file

Education

B.Tech. in Computer Science and Engineering
IIT Bombay, 2008 - 2012