

Ankush Agarwal

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Summary	Backend Infrastructure and Systems Architect 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	<ul style="list-style-type: none">• One of the top contributors of <i>docker/docker</i> on Github		
Interests and Expertise	<ul style="list-style-type: none">• 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	
	<ul style="list-style-type: none">• 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	
	<ul style="list-style-type: none">• 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	
	<ul style="list-style-type: none">• 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		