

Adithya Venkatesh

EXPERIENCE

Amazon Web Services | SEATTLE, WA SYDNEY, NSW | 07/01/2019 - Current
Senior SDE | Builders Tools

- I conceived an idea to massively tighten Amazon's dev-test cycle, allowing Amazon's builders to completely test changes before merging into mainline. This involved driving consensus across a 500-person organization; convincing directors, principal engineers, and a VP that this was the best use of our time.
- Bootstrapped a new organization in Australia, growing from 5-20+ engineers who consistently deliver delightful integration and load testing tools to Amazon engineers.
- Led a team of 40+ engineers spread across two timezones with the charter of helping Amazon builders ensure they were always producing high-quality software.
- Identified architectural redundancies in two Continuous Integration (CI) systems which drive 99% of Amazon's Continuous Integration (CI) traffic. I authored and delivered a 2-year plan to combine these systems with effort from 2x '2-pizza teams'.
- Worked with senior engineers on the team to prototype a tool to dynamically understand traffic patterns and help Amazon's service owners comprehend the difference between customer behavior and test coverage.
- Member of the organization's 5-person incident response escalation team - I orchestrate resolution of high impact security and operational issues in my organization when frontline engineers need help

Amazon Web Services | SEATTLE, WA | 07/13/15 - 06/31/19
SDE | Developer Tools

- Designed from scratch and lead a team of 7 engineers to build tools for continuous/canary testing to help service owners identify issues and pre-empt negative customer impact.
- Owned and launched a fully-managed cross-vertical (integration, load, canary) test orchestration platform used by 50% of Amazon's teams.
- Constantly finding ways to evangelize Builder Tools products and educate new engineers; led workshops, bootcamps and talks.
- AWS CodeBuild pre launch team - One of three engineers selected from my VP's org to spur the launch effort of AWS CodeBuild in time for re:Invent!
- Promoted to SDE-2 on 2017-04-01

Academic Projects | 2013 - 2015

- **Graduate | Cornell University** - Developed a fast, scalable cryptocurrency exchange built on top of Bitcoin, Dogecoin, Flask, and Hyperdex | Prototype built to display NoSQL performance with ACID transactions capabilities of Hyperdex (built in Emin Gun Sirer's lab)
- **Undergraduate | Inmobi** - Prototyped two projects 1) An Integration Test framework for a chef-based deployment platform with JenkinsCI, test-kitchen and minitest-handler 2) A platform that enabled analysis of source quality and build metrics at Inmobi
- **Summer Research | Concordia University** - Researched and implemented a 'CDMA Protocol in Multi-channel Multi-Radio Wireless Mesh Networks' with Prof Brigitte Jaumard.
- **Summer Research | IIT Bombay** - Research algorithmic solutions and improvements to simulate CNC Machining using Octree and Quadtree data structures.

Education

LinkedIn Work Authorization	adithyavenk@gmail.com
	+1 972-567-0504
	in/adithyavenkatesh
	US H1B, Indian Citizen, AU Permanent Resident

05/24/15 Cornell University, USA
MEng, COMPUTER SCIENCE
Cum. GPA : 3.78 out of 4.0

06/06/14 M. S. Ramaiah Institute of
Technology, INDIA
B.E. COMPUTER SCIENCE
Cum. GPA : 9.02 out of 10.0