

Ketan Vijayvargiya

Senior Software Development Engineer in AWS

Experience

Amazon Web Services

07/2019 – Present: Senior Software Development Engineer in Amazon Lookout for Metrics (Seattle, US)

I am a lead developer and founding member of **Amazon Lookout for Metrics**.

12/2018 – 06/2019: Senior Software Development Engineer in AWS Lambda (Seattle, US)

I had a brief stint in AWS Lambda where I was part of the Worker team. The team owned the EC2 instances that ran customer functions in a multi-tenant environment. I contributed code to improve internal logging, drove investigation on an ambiguous issue around `tcp_mem` that impacted a small subset of customers and proposed a re-architecture to break down the core service (on worker) along team ownership boundaries.

Amazon

12/2017 – 11/2018: Senior Software Development Engineer in Automated Marketing (Seattle, US)

As part of the Automated Marketing org, I spent some part of my time with a team in Outbound Marketing that was under huge operational load. Over there, I proposed a re-architecture of their core message sending platform by using an Amazon-internal distributed workflow service. The idea was agreed upon and taken up in their yearly roadmap.

I spent rest of the time with the Delivery team in Social Advertising. I mentored the team (which was mostly junior at the time), helped make our organization's first component fully serverless and drove visibility for the team with stakeholders.

12/2014 – 11/2017: Software Development Engineer in Social Advertising (Seattle, US & Bangalore, India)

In Seattle, I built a platform for landing page personalization and led operational and engineering excellence initiatives.

In Bangalore, I built many backend systems such as a multi-KPI automated bidder, big-data pipelines for cross-channel conversion metrics, an analytics platform for ad campaign performance and an events sourcer for customer actions on Amazon.

08/2013 – 11/2014: Software Development Engineer in Competitive Monitoring Team (Bangalore, India)

CMT was responsible for keeping Amazon prices competitive and sharp and I worked on its scalable crawling systems. Most notably, I added support for region-based crawling and built scrapers for mobile-devices.

Snapdeal **06/2012 – 07/2013: Software Engineer** (New Delhi, India)

I started as part of a 3-member developer team that revamped the mobile website. And moved to Order Management System after that.

Adobe **08/2010 – 06/2012: Member of Technical Staff in Adobe Story** (Noida, India)

Adobe Story was an online screenplay-writing software and I wrote code for both the server and client side of the application.

Education

2006 - 2010 **Bachelor of Engineering, Computers from Delhi College of Engineering** (New Delhi, India)

Others

Outside work I spend a lot of my time traveling (or planning future trips) and listening to music. Other than that, a bit of books, podcasts and movies.

I maintain a small presence on the internet at ketanvijayvargiya.com.

Patents US Patent No. 10565530: Viewing segments of event media.

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