

# Ketan Vijayvargiya

---

Senior Software Development Engineer in AWS

hi@ketanvijayvargiya.com • +1-206-334-9803 • Bothell, WA

---

## Experience

### Amazon Web Services

**10/2022 – Present: Senior Software Development Engineer in Amazon SageMaker (Seattle, US)**

I am technical leader for the Interactive Machine Learning organization inside SageMaker. My primary focus areas include: engineering efficiency improvements for the org by architecting better backends, customer-facing runtimes that are consistent across SageMaker and identity management that's optimized for human users. I also focus on security (for e.g., how to enable Docker-inside-Docker use cases in a secure way), mentorship and unblocking enterprise customers as they onboard onto SageMaker.

**07/2019 – 09/2022: Senior Software Development Engineer in Amazon Lookout for Metrics**

Founding member & tech lead for **Amazon Lookout for Metrics**. I helped it launch in **public preview on 12/08/2020** and **GA on 03/05/2021**.

I contributed to a variety of areas that include: design customer experience through a concise set of public APIs, backend architecture built on top of mostly serverless components, Spark-based data ingestion pipeline, root-cause analysis for anomalies, operational readiness and case-studies on how our foundational technology can be plugged into other Amazon products. I helped meet AWS's high bar on security through projects such as: encrypt customer data inside the service, disallow cross-customer data access in the data ingestion layer and improve the hashing logic behind generating customer-facing time-series IDs. I went beyond my engineering domain by mentoring 2 PhD candidates for their Applied Science internships.

**12/2018 – 06/2019: Senior Software Development Engineer in AWS Lambda:**

Had a brief stint in Lambda where I was part of the Worker team. The team owned the EC2 instances that ran customer functions in a multi-tenant environment.

### Amazon

**12/2017 – 11/2018:** Senior Software Development Engineer in Automated Marketing.

**08/2013 – 11/2017:** Software Development Engineer in Social Advertising and Competitive Monitoring teams.

### Pre-Amazon

**08/2010 – 07/2013:** Software Engineer in Adobe and later Snapdeal.

## Education

2006 - 2010

**Bachelors in Computer Science, Delhi College of Engineering**