

# Akash Agrahari

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## Skills

- Languages – Java, Go, Ruby (Ruby on Rails), Javascript, React, Python, Perl, PHP, C, HTML/CSS
- Technologies – MySQL, Redis, Aerospike, Hadoop, Elasticsearch, Spark, Kafka, Zookeeper, Storm
- Tools – Cloud Services (AWS, Digital Ocean), Git, Figma, Atlassian, Datadog, Notion, Google Analytics

## Experience

### Amazon Web Services | New York, USA | Largest Cloud Services Company

#### SENIOR ENGINEER | AUG 2022 - PRESENT

- Designed and implemented the transition of EMR (ElasticMapReduce) from a poll based architecture to a cellular event based architecture which improved job start times by over 70%
- Led project planning, execution, and support for the EMR control plane team consisting of 7 engineers
- Automated and standardised updates on customer tickets, saving 4+ hours of developer time per day

### Canary Privacy | New York, USA | B2B Startup From Cornell Tech

#### FOUNDING ENGINEER | JAN 2022 - JUNE 2022

- Co-founded an [award](#) winning Privacy Compliance startup that received **\$100,000 pre-seed investment**
- Developed a cloud-based product that simulates user activity on client websites to ensure the privacy controls (like cookie banners, email subscriptions, etc) are working as expected and suggest remediation

### Mindtickle | Pune, India | B2B SAAS Unicorn Startup

#### ENGINEERING LEAD | AUGUST 2019 - APRIL 2021

- Led a team of 6 Golang engineers to design and build applications based on microservice architecture
- Advised the CTO on strategies to successfully reduce client escalations and production issues by 90%
- Drove employee welfare reform initiatives such as mental wellness sick leaves and women's wellness

#### SENIOR ENGINEER | DEC 2018 - JULY 2019

- Led user platform revamp across multiple teams, reducing workflow completion times by 75%

### Flipkart | Bangalore, India | Largest E-Commerce platform in India

#### SOFTWARE ENGINEER II | JAN 2017 - JULY 2017

- Designed an application to crunch demand numbers in a MapReduce job for data-driven selection of product deal ads, increasing CTR by 55% and slot revenues by 30%

#### SOFTWARE ENGINEER I | AUG 2015 - DEC 2016

- Built a low latency (200ms) real-time data pipeline on Apache Storm enabling real-time ad-retargeting
- Built a demographic ad-targeting platform using MapReduce, HDFS and Aerospike, which tripled revenue
- Designed the "Guaranteed Delivery" feature using Redis HyperLogLog registers for instant forecasts of ad supply numbers, increasing advertiser target coverage to 99%

#### INTERN | JULY 2014 - DEC 2014

- Introduced intelligent weighing for customer shipments on the Ruby on Rails backend, which improved warehouse throughput by 20% and saved \$400K per month on third party shipments

## Projects and Interests

- Open Source Contributions: Mozilla (Readability) and Ruby-on-Rails (ActiveRecord)
- Hobby projects – [PianoPal](#) (generates piano roll instruction for any midi file), [Irrational Tunes](#) (musical interpretation of irrational numbers)
- Professional musician ([Spotify](#)), Rockschoool Grade 6 certified drummer

## Education

### **Cornell University, USA | May 2021 – July 2022**

#### **MBA AT CORNELL TECH**

1. Key modules: HCI & Design, Building Start-up Systems, Designing Data Products, UX Research, Startup Studio, Product Studio
2. Highlights: Graduate Student Ambassador, K-12 Computer Science Mentor, TA for Executive MBA courses

### **BITS Pilani, India | Aug 2011 – June 2015**

#### **BE (HONS) MANUFACTURING**

1. Key Modules: Artificial Intelligence, New Venture Creation, Computer Programming, Core Java
2. Highlights: Head of Department of Music - Organised professional shows featuring top artists for the largest student-run cultural fest in India