

## Saurav Kothari

[sauravkothari2@gmail.com](mailto:sauravkothari2@gmail.com)

[sinstein](#)

[+91 95340 82107](tel:+919534082107)

Hi, I am Saurav Kothari, a full stack engineer with 9 years of experience building full stack systems as both an IC and a Lead.

Over the years, I've gained experience across various business sectors, including Travel, SaaS, and e-commerce. My work has spanned across the stack over components that have been internal tools as well as user facing giving me a deep understanding of the end-user's needs. I've successfully collaborated with teams like Operations, Policy, and Legal, translating their needs into detailed, actionable solutions delivered on time.

### Languages

Java, Kotlin, TypeScript, Ruby, Javascript

### Frameworks

Ruby on Rails, Dropwizard, ReactJS

B.Tech in Computer Science and Engineering

IIT (ISM) Dhanbad

2015

7.5

### Airbnb

Software Engineer, Nov 2021 - Present

Remote

**Domain:** Cities: Regulations & Automation

**Technology:** Java, Kotlin, Ruby, TypeScript

The Cities team at Airbnb is an engineering team that builds systems to ensure Airbnb's compliance with government regulations. They aim to provide a seamless experience for guests, hosts, internal operations, and government regulators. The team also owns the City Portal, a product dedicated to serving the needs of government and building long-term partnerships with key Airbnb stakeholders.

The Regulations & Automation team, which is a part of the larger Cities team, focuses on ensuring that Airbnb's services are launched in new geographical locations while adhering to local regulations. This process is made more efficient through automation. The team plays a crucial role in enabling launches at scale, providing tools to the Policy and Operational teams to do self-serve launches for a large number of jurisdictions.

#### 1. Automation

- Simplified the Automation backend at Airbnb to reduce the time to launch new bundles. This was done to address the slow and costly process of automating bundles due to high engineering costs. As a result, the backend effort for adding a new launch type was reduced by 80%.
- Simplification was achieved by decoupling user inputs from backend operations by leveraging an abstract factory module for bundle-specific implementation. This module translates user inputs into task inputs, streamlining the process of launching new bundles.
- Redesigned the review process for automated launch proposals to accommodate multiple reviewers, mandatory roles and persisted comments, managing automation bundles requiring up to 9 reviews
- Partnered with the US team to expand automation capabilities to support more launch types
- Co-designed support for editability to allow Ops teams to self-serve updates to regulations
- Co-designed pre-launch analysis to compute the result of launches offline to enable safer updates
- Established and led a weekly automation standup to ensure project timeliness, updates, and resolution of engineers' obstacles.
- Onboarded 10 engineers to the automation tech stack, fortifying regulatory launches in the Cities India team.
- Assisted in the integration of a new team members into the automation group, aiding in Netherlands and France subregion launches
- Served as Primary POC for all automation support post transition to the Cities India team
- Led the design and implementation of the roadmap for 2023 and 2024

#### 2. Launch & Operations

- Translated legal and regulatory requirements into manageable product solutions autonomously. This aided Ops and Policy in their planning and launching processes.
- Led bi-weekly meetings with Cities Ops and Policy for prioritization, demos, and feature talks. This ensured the successful facilitation of over 25+ custom launches
- Provide consultation for complex regulatory launches including expanding system capabilities and guardrails for safer launches

**AirAsia**  
Tech Lead (Full Stack), Dec 2020 - Oct 2020

Remote

**Domain:** Experimentation

**Technology:** Go, Kubernetes, Google Cloud, TypeScript, ReactJS

1. Experimentation

- Designed and developed multi variate experiment support in the in-house experimentation product.
- Designed and developed a unified session solution to track user journey for accurate analysis of experiment effect on user behaviour.

**Udaan**  
Product Engineer, May 2019 - Aug 2020

Bengaluru

**Domain:** Logistics, Supply Chain, Warehousing, Accounts Payable, Financial Reconciliation

**Technology:** Kotlin, TypeScript, Dropwizard, ReactJS, Kubernetes, Azure SQL, Cosmos Db

As a Product Engineer, my responsibilities involved taking ownership of the business goals of the problem area, to build a roadmap for execution and achieving business goals via tech and non-tech solutions.

1. First Party Procurement

We were building a product that would systemize the procurement process of goods at Udaan. We were purchasing and selling a lot of inventory but all the accounting was done outside the system. The goal was to build first class workflows around purchases, inwarding and reconciliation. This would help identify leaks and gaps in the financial process and prevent any potential for abuse.

The architecture would include a product master, location master, vendor master, the layer to raise purchase orders for products to vendors, the layer to match the goods received at the Warehouse against open POs and subsequently trigger the relevant financial workflow(s).

This was a massive overhaul of processes around warehousing, ordering, pricing and accounting. Key stakeholders across each domain were consulted and agreement was reached to roll out pan-india in phases over 6 months. The first warehouse was launched and the process stabilised in 1 month, 7 more were launched over the course of 2 months. Pricing and Ordering workflows were rolled out 100% across two categories with the rest to be ramped up in quick succession.

- Each location was mapped to kind of goods being bought/sold at location and had an approval matrix that would allow actions to be monitored and approved/rejected centrally
- Allow financial documents (po, credit notes) to be generated and sent directly to vendors via email
- Map purchase orders to vendor + location and only allow inwards of matching goods
- Every inward is checked against open POs for the vendor and only allowed if there is matching line item
- All deviations from the PO are recorded, staged in warehouse and require additional approval to be inwarded
- Every inward cycle to trigger the relevant **financial workflows** including vendor payments, adjustment notes, return notes etc

**honestbee**  
Software Engineer 2, July 2018 - May 2019

Bengaluru

**Domain:** Logistics, Gig Economy

**Technology:** Ruby, Go, Rails, Kubernetes, Postgres, Redis

1. Hive & Logistics

- Designed and developed a new architecture based on Domain Driven Design (DDD) for saving and presenting products data to users as part of migrating from a store based experience to a storeless experience. This included building a microservice that would communicate with multiple other services to process and present requested data to consumers.
- Designed and developed a Dynamic Salary System for honestbee deliverers (referred to as Delivery bees). The system takes into account various parameters for payout with support for peak periods and backdated changes.

**BrowserStack Inc.**

Software Developer, May 2015 - July 2018

Mumbai

**Domain:** B2B SaaS, Automation**Technology:** Ruby, NodeJS, Rails, MySQL, Redis

## 1. Automate Team

- Implemented tier-based segregation for device types, enabling custom limits on simultaneous usage per device per customer, increasing device availability with minimal impact on genuine usage
- Designed and developed a diagnosis utility to notify users of test errors, reducing the load on the Tech Support team
- Created a rule engine to validate and map user-sent capabilities, providing extensive customization options for test suites
- Developed a Redis-based caching solution to prevent spamming from faulty user scripts and provide high availability for multiple services and async processing
- Developed custom client code on Windows/Android/iOS platforms to facilitate browser console logs, network logs, and native browser features for easy test debugging
- Designed and developed a daily summary service, sending users a digest of their tests based on their time zone, increasing dashboard visits by 20% and enabling faster problem notification
- Optimized and upgraded the REST API for easy modification and batch deletion of tests
- Maintained a real-time dashboard of customer tests with search and filter options
- Maintained a cross-region uploader service to collect and upload session logs scattered across multiple machines in multiple regions to S3

## 2. Rails Team

- Developed admin endpoints to empower the Sales team in managing user subscriptions independently, reducing reliance on engineering resources
- Created an internal newsletter tool for the Marketing team, enabling them to send targeted newsletters with time zone support to users
- Ensured smooth payment and order processing across multiple pricing plan iterations
- Conducted A/B testing using both external and in-house frameworks
- Led the complete redesign of the browserstack.com website, prioritizing page performance and responsiveness
- Oversaw the reskin and redesign of Product Dashboard(s)
- Implemented analytics and tracking utilizing internal and external data tracking services

**Amazon India Pvt. Ltd.**

Software Developer Intern, Summer 2014

Bengaluru

## 1. FC Systems

- Automated the launch of new FC (Fulfillment Centre) for various services and tools pertaining to my team (Shipment Data Platform). Manual launching of new FC's was time consuming and prone to errors. Automation reduces human intervention and optimizes time.