
Ishank Tandon

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<https://ishanktandon.com>

(716) 544-8003

skills and tech

Current: Go, Java, Microservices, Python, Next.js, AWS, Kafka, Docker, Databases (sql, nosql), REST, gRPC

Past: Scala, Redis, Elasticsearch, React, Objective-C, Swift, Firebase

Relevant knowledge: Distributed systems, algorithms, design patterns, computational theory, software architecture, computer security, databases, data structures, computer networks, A/B Testing

education

Rose-Hulman Institute of Technology, Terre Haute IN

B.S in Computer Science and Minor in Mathematics, May 2017

internships

Software Engineer, Test, Intern @ Interactive Intelligence
June 2015 – August 2015

Software Engineer, Intern @ Rose-Hulman Ventures
October 2014 – May 2016

Software Engineer, Intern @ Level Up Development
June 2016 – November 2016

experiences

Principal Software Engineer – Care.com

March 2023 – Present
Teams: Trust and Safety^[1]

Software Engineer – Metropolis

June 2022 – January 2023
Teams: Platform^[2], and Consumer Exp.^[3]

Sr. Software Engineer – Angi / Angie's List

May 2018 – May 2022
Teams: Search^[4], Consumer Exp.^[5], SEO Platform^[6]

projects

- ^[1]Architecting, building, and maintaining identity verification, fraud, background check, and content moderation services in the platform ensuring user safety
 - Auto photo moderation using a machine learning model reducing manual reviews by 98%, and median time to review from 6.44 days to 0.75 days
 - Continuous background checks – Real-time background check monitoring, reducing safety incidents and increasing retention
 - ^[1, 4, 6]Implemented an ETL framework and built and maintained scheduled jobs cumulatively handling hundreds of gigabytes and billions of rows of data
 - ^[2, 3]Integrated Canadian phone numbers and license plates for commuters, increasing customers on the platform, leading to an increased revenue
 - ^[2, 3]Built services to integrate Promo codes to the platform by collaborating with various teams to run campaigns (ex: \$10 off next visit if you sign up)
 - ^[2]Developed a Redis cache wrapper and an abstracted client to enhance consistency, maintainability, and flexibility
 - ^[2]Upgraded monorepo from Scala 2.12 to 2.13 and updated compiler and build settings reducing build and compile time by 20%
 - ^[5]Rebrand to Angi
 - Updated Styleguide (css and component library) and transactional comms emails with rebranded fonts, styles, and components
 - Addressed security bugs introduced as part of user linking between brands
 - ^[5, 6]Drupal to Contentful (CMS) Migration
 - Exported flattened data of a legacy system into a new headless CMS by building data models and APIs
 - Built new services and APIs using GraphQL, bounded contexts, gateways, Elasticsearch, and Next.js for increased scalability and performance
 - ^[4, 5]Ad Platform; new Advertising engine
 - Collaborated with staff engineers to design and implement new services and APIs, by creating various category taxonomies for advertising agreement sales that delivered greater value and improved the experience for service providers
 - Built search APIs using Scala, Elasticsearch, and Redis
 - ^[6]Implemented a Redis cache blaster job to optimize caching performance
 - ^[5, 6]Architected and built an Elasticsearch index, and services used by multiple teams to store editorial content, provide a better search experience, and increase page performance
 - ^[1, 3, 5, 6]Mentor engineers and represent the team in cross-team design and architecture syncs
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