
Ishank Tandon

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<https://ishanktandon.com>

(716) 544-8003

skills and tech

Currently working with: Scala, Microservices, AWS, Kafka, Docker, Redis, SQL

Proficient: Scala, REST, Design Patterns, Microservices, SQL

Past experience: Java, JavaScript, Node.js, React, Python, Elasticsearch, Firebase, A/B Testing, Objective-C, Swift, Assembly, Networking, Security, Angular, Next.js, Kubernetes

education

Rose-Hulman Institute of Technology, Terre Haute, IN
B.S in Computer Science and Minor in Mathematics, May 2017

Relevant knowledge: distributed systems, algorithms, design patterns, computational theory, computer security, databases (sql/nosql), data structures, computer networks

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 – October 2016

experiences

Software Engineer – Metropolis

June 2022 – January 2023

Responsible for architecting, building, testing, and maintaining software and platform products used by customers and engineers of Metropolis, working closely with DevOps, ML, and hardware teams, and building POCs for new libraries.

Sr. Software Engineer – Angi / Angie's List

May 2018 – May 2022

Responsible for architecting, building, testing, and maintaining software products used by customers and engineers of Angi home services, doing internal/external team code reviews, building and modifying internal tools and libraries used by engineers throughout the org, mentoring and onboarding new hires, and building POCs for new libraries and technologies.

projects

- Integrated Canadian phone numbers and license plates into the platform
 - Worked with the Customer and Design team to add support for users commuting to the US from Canada for business or pleasure
 - Add Promo codes to the platform
 - Worked with Customer, QA, Data/Analytics, Growth/Marketing, and Design team to add Promotional Code discounts using a third party to allow Growth/Marketing to target users for campaigns (ex: \$10 off next visit if you sign up)
 - Add core Redis client to the platform
 - Built a Redis cache wrapper and client exposing basic cache operations and hiding the implementation details under an abstracted interface to allow swapping the client without impacting usages elsewhere
 - Upgraded monorepo from Scala 2.12 to 2.13 and updated compiler and build settings reducing time to build and compile by around 15-20%
 - Project One; Rebrand to Angi:
 - Updated Styleguide (css and component library shared across all apps) with Angi rebranded fonts, styles, and components
 - Rebranded transactional comms emails with Angi assets
 - Addressed security bugs introduced as part of user linking between brands
 - Drupal to Contentful Migration:
 - Exported flattened data of a legacy drupal system into a new headless CMS by building data models and APIs
 - Created new system within the architecture using GraphQL, bounded contexts, gateways, Elasticsearch, and Next.js to move to a modern scalable framework
 - Ad Platform; new Advertising engine:
 - Worked with staff and senior engineers to add a new Ad Platform to deliver more value and create a better experience for service providers
 - Created a new hierarchy of categories for advertising agreement sales
 - Built category and keyword search APIs within the architecture using Scala, Elasticsearch, and React
 - Implemented and maintained scheduled ETL jobs cumulatively handling hundreds of gigabytes and billions of rows of data
 - Implemented a Redis cache blaster job to optimize caching performance
 - Architected and built an Elasticsearch index and services used by multiple teams to store editorial content and provide a better search experience and increase page performance
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