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# ISHANK TANDON

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(716) 544-8003



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## SKILLS AND TECH

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**Currently working with:** Scala, Microservices, AWS, Kafka, Docker, Kubernetes, Redis, ETL, SQL, Next.js

**Proficiency:** Scala, Elasticsearch, JavaScript, Node.js, React, REST, Agile Dev, Design Patterns, Microservices, SQL

**Past experience:** Java, Python, Firebase, A/B Testing, Objective-C, Swift, Assembly, Networking, Security, Angular

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## EDUCATION

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

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

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## INTERNSHIPS

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**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

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## EXPERIENCES

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### SOFTWARE ENGINEER – METROPOLIS

June 2022 – December 2022

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 team, building POCs for new libraries.

### SENIOR 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.

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## PROJECTS

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- Integrated Canadian phone numbers, license plates, and payments into platform
- Worked with Customer and Design team to add support for users commuting to the US from Canada for business or pleasure
- Add Promo codes to platform
- Worked with Customer, QA, Data/Analytics, Growth/Marketing, and Design team to add Promotional Code discounts to the platform 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 platform
- Built a core Redis cache wrapper and client exposing basic cache operations while hiding the implementation details under an abstracted interface allowing to swap 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
  - Discovered and fixed 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:
  - Architected, implemented, and maintained a new Ad Platform to deliver more value and create a better experience for service providers
  - Created a new hierarchy of categories to be used for advertising agreement sales
  - Built category and keyword search APIs within our 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