

# Rahul Jain

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## Experience

4+ Years

### Amazon

Software Development Engineer (June 2017 - Present)

- Working in the Seller Space for Amazon Home Services.
- Helped launch multiple services in new marketplaces.
- Working on analysing applications for threats and getting them security certified by mitigating risks.
- Managing the reviews & ratings data flow using micro services.
- Full stack redesign of a listing web app with progressive filtering

### Shopclues

Senior Software Engineer (April 2016 - June 2017)

Software Engineer (Jan 2015 - March 2016)

- Made querying the database more robust by introducing microservices.
- Centralised the communications platform and made it scalable.
- Worked on projects & applications to manage and send the communications.
- Created devops projects like a web interface to easily interact with the servers from anywhere.
- Improved the core application authorisation and database logic.

## Technical Skills

Languages: Java, Javascript, PHP

Frameworks: Spring, Laravel, Redux

Databases: MySQL, MongoDB, DynamoDB, ELK

Frontend: ES6, ReactJS, jQuery, Bootstrap, Jekyll

Mobile: Android Development, React Native, flutter

Version control: Git, SVN

Linux: Server configuration & Shell scripting, CI/CD

Web server: Tomcat, Apache, nginx

Queuing: Amazon SQS, RabbitMQ, Kinesis

Working knowledge in: AWS Technologies, Docker, Memcached

## Education

### Chandigarh Engineering College

*B.Tech/Computer Science and Engineering*

*University: Punjab Technical University, Jalandhar*

## Projects

### Configuration Management WebApp

Env: Symfony(PHP), ReactJS

Role: Full Stack Engineer

- It gives the authorised user a web interface to the servers, where they can perform tasks like managing the code configs, restarting daemons, checking logs etc. It includes a backend that provides REST API and uses OAuth2 with LDAP protection for authenticating the user.
- This streamlined the bulk servers operations without having to SSH and managing permissions manually.

### Order Listing redesign w/Progressive Filters

Env: Java Spring, JSTL, Javascript

Role: Full Stack Engineer

- This included redesigning the API architecture and modularising the web app to move from single applicable filters to progressive filters
- It enabled filtering by use-case and narrowed down the search results for more meaningful data. Modular approach also enabled plugging in other use-cases like downloading results or bulk operations.

### SMS Seller Services

Env: LAMP Stack, JS

Role: Full Stack Engineer

- This panel let sellers to send promotional SMS to the customers using predefined templates. SMS packs can be bought by the sellers that provided them with a number of SMS that can be sent to specific customers filtered by different parameters.

### Bulk operation pipeline

Env: Java (Spring), JS, AWS

Role: Fullstack Engineer

- This project included a panel where bulk data can be uploaded by the user, validated and pushed to S3. Then a lambda will be triggered to process the file, consolidate data and push it to SQS queue for async operations.
- It provided authorised access with complete visibility on the tasks performed and by whom. Integration with CloudWatch allowed us to add alarms and email reports helps get a daily summary.

### Grouping Messages

Env: Android, Android Studio

Hackathon Project

- Auto categorisation of SMS into user's own custom categories.
- Needs training from user at the beginning from which it learns and categorises future messages.
- No web APIs used, everything works offline.

## Hobbies

- Reading, learning & playing guitar.
- Working with open source projects, and problem solving.
- Exploring & attending events.

## Profiles

- <https://github.com/xRahul> (contributor)
- <https://in.linkedin.com/in/xRahulJain>