

Rahul Jain

Full-stack engineer with 5+ years of experience in e-commerce

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Singapore

Experience

Shopee

Software Engineer - Backend (Aug 2019 - Present)

- Working in the Payments Systems handling multi-tenant platform and services to integrate and manage multiple payment methods and clients in SEA.
- Managing the android app for internal messaging service.

Amazon

Software Development Engineer (June 2017 - Aug 2019)

- Worked in Amazon Home Services mainly dealing with seller side of tasks
- Helped launch multiple services in new marketplaces
- Worked on the full stack application security - threat analysis and risk mitigation to get them certified.
- Major projects include micro-services driven reviews & ratings flow and 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: Python, Java, Javascript, PHP

Frameworks: Django, Spring, Laravel, Redux

Databases: MySQL, MongoDB, DynamoDB, ELK stack

Frontend: ES6, ReactJS, Jekyll

Mobile: Android Development, React Native

Devops: Server configuration, Docker, Ansible

Web server: Tomcat, Apache, nginx

Queuing: Amazon SQS, RabbitMQ, Kinesis, Kafka

Working knowledge in: AWS Technologies, CI/CD

Education

Chandigarh Engineering College

B.Tech in Computer Science and Engineering, Punjab Technical University

Projects

Configuration Management Web Application

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 with Progressive Filters

Env: Java/Spring, 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.

Hobbies

- Reading, attending events & exploring.
- Working with open source projects, and problem solving.

Profiles

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