

# RAHUL K JHA

PRINCIPAL SOFTWARE ENGINEER



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Hyderabad

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## About Me

With 7+ Years of experience, a passionate backend developer having expertise in developing web applications in multiple programming languages including but not limited to Java, JavaScript & PHP. Interested in Web Security, System Design, and Scaling applications to handle a large number of concurrent users & possess a good understanding of Data Structures, Object Oriented Design, RDBMS & Distributed Systems

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## Experience

### ACS Solutions (2018 - Current)

Principal Software Engineer

#### 1. Cannabis Potency Testing web app for a US based client

- Led a team of 7 developers to build a SAAS application to simplify the cannabis potency testing process from scratch
- Discussed and refined the requirements with the client to develop an optimized solution for the required features
- Assisted the ops team in setting up the required infrastructure to host and scale the application for a large number of users in the best possible performance
- Developed an automated API test environment using Postman to reduce the application testing time which lead to fast feature rollout for users

**Technology:** Java, ROR, ReactJS, MySQL, Redis

#### 2. Business Research & Analysis Data Management App for a US based client

- Led a team of 10 developers to build and scale REST API for a research and analysis data management application
- Improved API average response time by 150% for web & mobile clients
- Implemented auto-scaling to tackle sudden surges in user requests
- Added various improvements like caching & load balancing at the application & data layer to reduce the server load which in turn saved infrastructure costs and improved user experience
- Added various security enhancements including JWT based authentication and 2FA
- Implemented Full-Text Search functionality from scratch to improve the content search results
- Implemented Single Sign On feature using Azure Active Directory which lead to a faster login experience for enterprise users
- Added user activity tracking using GA4 to help in gathering user's application usage behavior and generate a dashboard to pin down the areas of improvement in Web & Mobile client

**Technology:** NodeJs, ReactJS, MySQL, Redis, RabbitMQ, Google BigQuery, ElasticSearch

### 3. E-Commerce Application for a US based medical organisation

- Added various new features including a fallback payment gateway integration
- Scaled the application to handle 3M visitors per month
- Moved on-premise application hosting to the cloud
- Setup Kubernetes cluster & docker based hosting for automated scaling depending on the number of users & load
- Decreased the page load time to half & implemented various security enhancements

Technology: PHP, JavaScript, MySQL, Redis, ElasticSearch

### Meltag Inc (2017 - 2018)

Senior Software Engineer

#### 1. Campaign & Loyalty Management Application

- Developed the Backend API for a Campaign Management Application for Web, Mobile & SMS based interface
- Decreased the Infrastructure cost by 20% by implementing various application and infrastructure level improvements
- Improved API response time by 30% by implementing various code improvements

Technology: Java, VueJS, MySQL, Redis, Erlang

### Tattvam Media (2015 - 2017)

Software Engineer

#### 1. Digital Media Marketing Engagement Analytics Application

- Led a team of 4 developers to build and scale an in-house application from scratch to manage and track digital media marketing conversion rate by pulling in data from various sources like Google Adwords & Facebook Marketing & created a dashboard for actionable insights
- Understood the requirements of the marketing team and worked on developing an optimized solution
- Setup & manage cloud based hosting environment

Technology: Java, Javascript, MySQL, Redis

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## Open Source Contribution

### Sentry Integration For Magento

Added New Feature

- Added a new feature that has let users enable or disable the integration on demand  
Pull Request Link: <https://github.com/justbetter/magento2-sentry/pull/59>

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## Hackathon (2019)

### Dobby Chat Bot

A Chat Bot for newly joined employees

- Developed a Teams bot that can answer the question regarding the organization's structure, people & process for newly joined employees. Technology included Python & Google Dialogflow

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## Area of interest

- Web Security
- REST API Design
- Distributed Computing

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## Education

2015

RTU Kota

BTech in Computer Science & Engineering

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## Technology & Expertise



## Web Presense

### Github

<https://github.com/t9toqwertz>

### Website

<https://rahulkjha.com>

### Linkedin

<https://www.linkedin.com/in/t9toqwertz/>

### Stackoverflow

<https://stackoverflow.com/users/2668465/>