

# Prabhjeet Singh

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## EXPERIENCE

### CYBAGE SOFTWARE | SYSTEM ANALYST

Oct 2022 – Present | Remote, India

- Implemented Security upgrades in multiple applications bringing critical vulnerabilities count to zero.
- Implemented Work Unit Cache APIs, using Quarkus Framework and Redis as Cache. Improved cache performance via reducing number of active maximum connections from over one lac to around 250.
- Developed Patch API for updating Custom Room Types via Parsing and validating JSON Request Body and provided Swagger Documentation for the same.
- Implemented Quarkus Schedulers for Room Types and Profiles to identify changes periodically in a configured time, so that relevant changes can be notified to Customer in real time.
- Devised rate-shopping-wu-consumer-updater, a kafka consumer that updates Work Unit Cache API via extracting data from incoming JSON message and acknowledges the messages.

### HCL TECHNOLOGIES | TECHNICAL LEAD

Dec 2018 – Jul 2022 | Lucknow, India

- Refactored EVO Security Service built in Spring boot to store OAuth providers and OAuthClientId together. Introduced a new Authority Model to support this functionality. Deprecated the old Grants Model and used Delegation to new Methods. Migrated from old scripts and tables to new ones in MySQL resulting in multiple OAuth providers support for consuming APIs.
- Devised Unit and Integration Test cases using JUnit and Mockito to Achieve 80% Code Coverage for the Features developed.
- Implemented and Refactored Complex Content End Points to reduce their Computational Complexity.

### DATABOROUGH INDIA PRIVATE LTD | SOFTWARE ENGINEER

Feb 2016 – Dec 2018 | Lucknow, India

- Developed and optimized Jasper Reports for various use cases as POCs and Delivery of an Application Modernization Project reducing average generation time from 15 minutes to the range of a few milliseconds.
- Developed RESTful APIs using Spring REST and Hibernate, that served data to Angular front-end based on dynamically chosen user Inputs that handled Company's Internal Resource allocation metrics.
- Achieved 75% code coverage and eliminated Code Smells, Possible Bugs and Blockers for undertaken POCs using SonarQube.
- Developed AAParser Backend using POI Library and Reflection, to store Input Excel file's data into appropriate Data Structures generically, reducing converted Program Units redundancy, to be demonstrated in Angular front-end.

### GEOMETRIC LTD | SOFTWARE ENGINEER

Jul 2015 – Dec 2015 | Pune, India

### ACCENTURE | ASSOCIATE SOFTWARE ENGINEER

Aug 2013 – Jul 2015 | Mumbai, India

- Implemented a solution using JDBC that Automated the processing of SCV records and Reduced Production issues by 67%.
- Developed an Email notification mechanism For Reports using Java Mail to provide status of Case Records to stakeholders as per Oracle database.

## PROJECTS

### SCHOOLMONITOR |

**SPRING, ANGULAR, AWS, ELASTIC SEARCH, REDIS**

Apr 2019 – Aug 2021

- Developed a one Database per tenant SAAS web application using Angular Universal with Server Side Rendering and Internationalization at the Frontend and Spring Boot, Spring Security with JWT and Spring Data JPA at the Backend. DBMS used was MySQL.
- Designed Online Coursework module, where, Videos were indexed using Elastic Search and Web speech API was integrated to enable search when someone spoke. Implemented Redis Cache for better Response times.
- Implemented AWS Lambda function to generate and save Thumbnails every time a video was uploaded in the S3 bucket.
- Achieved Insertion of Records from Excel sheets for File Upload functionality using Apache POI Library.
- Achieved Password Reset functionality by verifying Account through an OTP sent on registered Email Id and selected School Name taken as inputs using Spring Email and Google reCaptcha. User could, then, validate and reset the Password.
- **Backend Repository | Frontend Repository | Video Demonstration**

## EDUCATION

### SRM UNIVERSITY

**BACHELOR OF TECHNOLOGY COMPUTER SCIENCE**

2013

## SKILLS

### LANGUAGES

• Java • SQL

### FRAMEWORKS

• Spring Boot • Spring Rest  
• Spring Security • Spring Data  
• JUnit • Mockito  
• Hibernate • Angular  
• Jasper Reports

### TOOLS

• Git • Maven • SonarQube

### CLOUD SERVICES

• Kubernetes • AWS