

Swaroop Gupta Byrandurga Aswathanarayana

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EDUCATION

Master of Science in Information Systems, *Northeastern University, Boston, MA*

Expected Dec'22

Coursework: Network Structures and Cloud Computing, Database Management and Database Design, Web Design and User Experience Engineering

Bachelor's in Computer Science & Engineering, *Visvesvaraya Technological University*

Jun'17

TECHNICAL SKILLS

Languages: Java, JavaScript (ES6), HTML5, CSS3

Frameworks: AngularJS, jQuery, JUnit, Mockito, Bootstrap4

Databases: MySQL, Elastic Search, Oracle

Tools & Libraries: Git, Kibana, D3.js, React, Maven, Jenkins, JMeter, Postman, Sonar, JaCoCo

CERTIFICATIONS

- Udacity React Nanodegree

Sep'21

WORK EXPERIENCE

Northeastern University, Boston, US

Sep'21– Present

Graduate Teaching Assistant - Database Management and Database Design

- Assist professor in organizing HackerRank quizzes to provide students practical experience with SQL queries
- Lead and facilitate student discussion and enrich student knowledge of course material through one-on-one interaction with members of a diverse student population

Symphony Talent, Bengaluru, India

Jul'18– Dec'20

Associate Software Engineer – Product Development

- Simplified REST API development by architecting and developing a generic API framework that resulted in reducing time to deploy a new customized report to one day
- Authored the article '[Effective Pagination in Elastic Search](#)' aimed at solving deep pagination in distributed systems to avoid bouncy results and huge memory footprints of Scrolls, while being within the limits of Elastic Search
- Architected and developed a generic export utility to write files to AWS S3 bucket using factory design patterns
- Implemented trendline charts like cumulative, current trend vs previous trend using D3.js used by recruiters to analyze various metrics such as number of job applications received, advertising cost
- Optimized data retrieval using Elastic search queries and aggregations
- Measured code coverage using JaCoCo, Sonar and added unit test cases to improve code coverage to 75%

Harman Connected Services, Bengaluru, India

Aug'17 – Jun'18

Associate Software Engineer

- Developed RESTful APIs used by analytics reports to render data in Java using Jersey framework
- Designed and developed tabular reports in Jasper used by high-level executives to get insights at a granular level

PROJECTS

[MyReads](#) | React, React router

Jul'21

- Developed a bookshelf app that allows users to search a book in the catalog, categorize it as books they have read, are reading, or want to read
- Persisted data on application main page and search results page by fetching and rendering updated data

[Covid Test Booking Management System](#) | Oracle, PL SQL

Jan'21 – Apr'21

- Developed a database application that simulates a booking system with features of user registration, login, book test, cancel test, contact tracing in case a user tests positive, quarantine process using Oracle PL SQL
- Collaborated with a team of 3 members to implement the booking system
- Implemented signup, book and cancel test functionality using stored procedures, contact tracing using triggers
- Generated weekly report to quantify tests performed and test results using Analytical Functions