**UPKAR KUMAR**

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**Career Overview:**

Software development with six and half year of experience in full stack development. Experienced in project life cycle from design to implementation to integration. Successfully built platform for integrating with other ERP @ SAP Concur and developed fully automated video to comics conversion platform right from scratch.

**Professional Experience**

Software Design Engineer (T2-L3)

**SAP,** Bangalore, KARNATAKA

March 2017 to Current

* Worked as full stack web development includes J2EE (Spring framework), JavaScript (React), database modelling with MySQL

**Project Experience**

**Project:** System Integration platform (Backend)

* Developed **Web-based** integration platform to build integrations.
* Designed and delivered some of **Spring-based microservices** that are highly available in a distributed **Kubernetes** environment.
* Delivered **automated patching strategy** for monthly releases that enabled patching customer code bases with the latest release patch with **zero manual intervention**.
* Built, tested and deployed scalable, highly available and modular software solutions using **Spring framework**.
* Delivered **Orchestration** **framework** which is capable of transforming customer configuration to **distributed data processing solution** to be used by Integration Consultants and Solution architects for solving customers’ integration challenges.
* Highly skilled at **debugging customer issues** to provide precise solutions that helps in boosting customer satisfaction and dependability.
* Collaborated with a team of size 5 engineers of varied experience towards delivering a revamped platform.
* Worked with **DevOps** Engineers to develop a fair knowledge on build pipeline that included **Jenkins, Quay, Helm, Kubernetes** for deployment.
* **AWS** hands-on experience in **EC2, S3, RDS, SQS** services
* Worked closely with users to establish problem specifications and integration designs.
* Collaborated on **all stages** of systems development lifecycle, from requirements gathering to production releases.
* Worked in a dynamic **agile** environment.

**Tech stacks:**

* J2EE, Spring framework with Spring boot, MySQL

**Responsibilities:**

* Analysis and Development of the Design Documents.
* Designing the database structure for the tool

**Project:** Web Studio, Integration platform (Frontend)

* Developed **Web app** to build integration flow using logical components.
* Designed and delivered UI for logical flow diagram creation to be used by integration consultants.
* Built, tested and deployed scalable, highly available and modular software solutions using frontend **React library**.
* Designed and Delivered real time debugging capabilities for Integration Consultants to check data transformation and flow that helps in boosting customer satisfaction and platform usability.
* Lead a team of size 3 frontend engineers towards delivering **seamlessly easy to use** platform.
* Worked closely with platform users and collaborated on **all stages** of systems development lifecycle, from requirements gathering to production releases.

**Tech stacks:**

* React, JavaScript, WebSocket, html5, CSS

**Responsibilities:**

* Analysis and Review of the Design Documents.
* Designing the database structure for the tool

**Professional Experience**

Software Engineer

**ComicFlix INC.-** Bangalore, KARNATAKA

July 2014 to March 2017

* Worked as full stack web development. Includes Java, Python, JavaScript, database modelling with MySQL, jQuery, html, CSS
* Experience in Android application development.

**Project Experience**

**Project:** Comify. Converts video to comic (Backend + Frontend)

* Designed and developed system for converting the YouTube videos or movies to comic strips with almost nil manual intervention.
* After uploading it detects the dialogues spoken, scene change and split the images with the algorithm applied for related videos and process the split images or set of uploaded images for cartoon like images.
* With the help of OPENCV library for Python, it detects the speaking person in the frame and places speech bubbles with the dialogue said by the speaker.
* Lead a team of size 4 engineers towards delivering whole user-friendly comic creation tool.
* Designed and developed UI for comic strips to layout api returned result for completed project with payload of processed images URL, dialogue, speaker position etc. for each frame in JSON format.

**Tech stacks:**

* J2EE, Spring framework with Spring boot, MySQL, Python, OpenCV library, GIMP, FFMPEG library

**Responsibilities:**

* Analysis and Development of the Design Documents.
* Designing the database structure for the tool

**Project:** Fumetti. Android application

* App for users to create 5 frames cartoon-filtered comic strip using personal image and dialogues for speech bubbles, using speech to text api.
* Created strip can be shared on same app and even on social media.

**Responsibilities:**

* Analysis and Development progress.

**Personal Projects:**

**Project:** Contributed to <https://karnatakafightscorona.org> frontend to help organize the resources in fight against Corona.

Finalist team member in **Aegis Graham Bell Award** <https://www.linkedin.com/posts/aegis-graham-bell-award_sap-is-one-of-the-to-finalist-under-the-activity-6770650377437147136-fvuq>

**Project:** Remote reminder app. (Android and IOS using Expo, Spring boot for backend)

**U**ser can set reminder on other’s phone with voice note or text.

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| **Languages** | **PROFICIENCY** |
| WEB Development (Full Stack) | Mature |
| Java | Mature |
| J2EE (Spring Framework) | Mature |
| JavaScript | Mature |
| React | Mature |
| React Native, cross platform app | Medium |
| Python | Medium |
| MySQL | Mature |

**Strength**

* Self Confidence.
* Good Team Player.
* Quick Learner
* Leadership Quality.
* Good Analysis Skills

**Education**

Dayananda Sagar COE, Bangalore, Karnataka

**Undergraduate Degree:** Computer Science Engineering

**Personal Data**

**Profile:** [**https://redhat125.github.io**](https://redhat125.github.io)

**Repo :** [**https://github.com/redhat125**](https://github.com/redhat125)

**LinkedIn:** [**https://www.linkedin.com/in/upkar-kumar**](https://www.linkedin.com/in/upkar-kumar)