


Vinamra Raj

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Leetcode

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GFG

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EDUCATION

National Institute of Technology, Patna

B.Tech. in Electronics and Communication Engineering CGPA: 8.31

Patna

Graduated: May 2023

St. Joseph's Sr. Sc. School

Senior Secondary Percentage: 78.6/100

Muzaffarpur, Bihar

Completion Year : 2018

EXPERIENCE

Amazon

January 2023 - June 2023

Software Developer Engineer Intern

Fixing of SAS Risk

(Tech Stack: Java, JUnit)

- Collaborated with a team of software engineers to identify and resolve critical issues related to SAS Risk in two live services at Amazon.
- Developed and implemented efficient solutions, addressing the identified problems promptly and improving the performance of the live services.

Redesigned the FRPG Structure

(Tech Stack: Java, Guice, AWS S3, AWS Cloudwatch, JUnit)

- Redesigned the FRPG Structure to Optimize Performance and User Experience
- Adopted a redesign approach by creating a LLD to achieve the desired optimization where I had to remove the nested child instances from its parent step of FRPG steps and made that child step to main parent child.
- Implemented and deployed the redesigned FRPG structure to the production environment.

Automated UI Testing using Cypress

(Tech Stack: Typescript, Cypress, Javascript)

- Automated the UI testing for the invoice upload and download functionality, ensuring robustness and reliability.
- Developed end-to-end integration tests using Cypress, a powerful testing framework, to automate the entire UI process for invoice upload and download.
- Implemented custom Cypress commands to simulate interactions with the upload and download buttons in the UI, effectively mimicking user actions for testing invoice handling processes.
- Achieved an impressive code coverage rate, ensuring thorough testing and minimizing the risk of potential bugs in the application.

Created a Dashboard for all Live services

(AWS Lambda, AWS S3, AWS Cloudwatch)

- Proactively took charge of enhancing the monitoring capabilities for our team's live services during deployment by creating a comprehensive Dashboard.
- Designed and integrated various metrics and graphs for all the live ongoing services of our team, providing real-time insights for better monitoring and decision-making.
- Streamlined the deployment process by offering centralized access to key performance indicators, contributing to increased operational efficiency.

PROJECTS

Mess Portal

(Tech Stack: node.js, javascript, Bootstrap, mongodb)

- Devised a feedback system for the hostel mess food service with multiple food options and add-ons.
- The portal has an anonymous feedback system with Google OAuth login for security and admin access to change the menu.
- The webpage showcased an interactive menu that automatically updated based on the current day and mealtime, along with a repository of reviews stored in a database.

Blogging Website

(Tech Stack: node.js, javascript, MongoDB, Express.js)

- Blogify is a fully functional blogging website developed using Node.js, Express.js, and MongoDB.
- The website offers a seamless and intuitive user experience, allowing users to explore, create, and manage their blogs effortlessly. With a sleek and modern design, Blogify encourages users to share their thoughts, stories, and insights with the world.
- Used MongoDB to store the blog Technologies used Node.js, Express.js, MongoDB.

TECHNICAL SKILLS

- Languages:** C++, Java, Python, Javascript, Typescript
- Tools and Technologies:** Node.js, HTML, CSS, Bootstrap, AWS(Basic), Spring boot, Guice, Cypress, JUnit
- Courses:** Data structures and Algorithm, Operating System, Database Management System, Object Oriented Programming(OOP), Web Development basics

ACHIEVEMENTS

- Qualified JEE-Mains 2019 and obtained an All India Rank of 21624.
- Resived Memento On clearing National Talent Search Examination in 2018)
- Solved 600+ problems on various coding platforms to improve problem solving skills)