AVINASH KUMAR SINGH

Software Engineer II

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🔗 https://avinashsinghavin.github.io
📍 Bangalore

EXPERIENCE

Software Engineer II

Infra.market

📅 07/2022 - Present   📍 Bangalore

- Designed and implemented a Customer Central System in Go, tightly integrating the Deal Service, Lead Service, and Customer Service. Utilized gRPC for instant request and response, Kafka for onboarding user messages, and Redis for efficient retrieval of instance data.
- Worked on the Account Service, overseeing the migration of service data from Tally to ERP. Implemented multiple security checks, including credit approval and automated order approval based on credit limits. Reduced workload on credit managers by handling non-default cases efficiently. Achieved a 20% increase in efficiency by leveraging gRPC instead of Kafka for inter-service communication.
- Worked on the Quotation Service, managing the creation of quotations and generation of PDFs upon receiving deal requests. Implemented a system to move quotations to "won" upon user acceptance or regenerate them based on user preferences and default product values in case of rejection.
- Implemented a Notification system to alert sales officers via email upon receiving leads from various lead systems such as Just Dial, IndiaMART, etc.

Software Developer

Extramarks

📅 07/2021 - 06/2022   📍 Noida

- Designed and implemented the QMS (Question Management Service) with ElasticSearch integration, offering personalized question sets for student assessments. The service includes instant feedback, dynamic question generation based on specified equations or templates, and an integrated scoring system for a seamless testing experience.
- Implemented a comprehensive chat storage mechanism in the LCS(live class system), allowing students to revisit real-time discussions for a continuous learning experience. Integrated a notification system to alert teachers via email on new questions asked.

Software Engineer Intern

Knowledge Lens

📅 02/2021 - 05/2021   📍 Bangalore

- I undertook significant projects, including the development of a website for the Andhra Pradesh government. I contributed to creating a platform where technology-related information was disseminated, inquiries were addressed, and external services required by the state government were provided. Additionally, I was actively involved in multiple client projects in the USA, particularly focusing on water distribution and pressure management.

Web Developer Intern

Tata Consultancy Services

📅 05/2020 - 01/2022

- Independently spearheaded the development of a project to optimize testing processes. Designed and implemented a robust system that empowers testers to effortlessly generate testing data in JSON format as per the request format, accommodating diverse test cases. Leveraged Django and Angular for the creation of this solution.

EDUCATION

B.Tech in Computer Science

GIET University

📅 08/2017 - 05/2021   📍 Gunupur

SKILLS

GoLang   Java   Python   MUX   gRPC

C/C++   SQL   Redis   PostgreSQL

Apache Kafka   Node.js   CI/CD   Docker

JavaScript   Firebase   LLD   MongoDB

Object Oriented Programming   Microservices

Data Structure and Algorithms   Spring Boot

PROJECTS

News Hunt App

🔗 https://play.google.com/store/apps/details?id=news.avinash.newshunt

- Developed a user-friendly news application in Java.
- Integrated multiple third-party APIs such as Yahoo, Google News to fetch news from diverse sources.
- Implemented customizable preference settings for personalized news feeds.
- Utilized summarization algorithms for concise article summaries.
- Ensured responsive design for adaptability across devices.

Kitchen Kart

🔗 https://play.google.com/store/apps/details?id=com.kart.kitchen

- Played a key role as a freelance contributor in designing and developing the Kitchen Kart website/Mobile.
- Emphasized a responsive and visually appealing user interface for enhanced user experience.
- Implemented API integrations to augment platform capabilities and functionalities.
- Collaborated closely with clients to understand their specific requirements and deliver tailored web solutions.

Sorting Visualizer

🔗 https://avinashsinghavin.github.io/SORTING_VISUALIZER

- Developed a Sorting Visualizer web application using JavaScript.
- Implemented sorting algorithms like Bubble Sort, Merge Sort, and Quick Sort.
- Dynamically visualized the sorting process to aid in understanding algorithm behavior.
- Utilized HTML and CSS to create an interactive user interface.
- Enabled users to observe and comprehend the functionality of various sorting algorithms interactively.