Kunal Dhingra

Software Engineer

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SKILLS

- **Software:** NodeJS, Typescript, JavaScript, PostgreSQL, SQL, MongoDB, Serverless, AWS, Kubernetes, Express.js, Socket.js, Performance Testing.

PROFESSIONAL EXPERIENCE

SOFTWARE ENGINEER L2

Gemini Solutions Pvt Ltd   **Jan 2022-Present**

- Developed cost-saving functionalities using batch processing, optimizing monetary resource usage.
- Reduced high spiking of DB CPU utilization from 70-80% to 40-50% by implementing db connection pooling.
- Enhanced the performance of old PostgreSQL queries by conducting a comprehensive analysis of query execution, subsequently minimizing record scanning for improved efficiency resulting in the dropping of latency by 100ms.
- Implemented orders flow to purchase products with one-time payment and on the subscription, basis using stripe.
- Created the live press conference & live chat features using Webrtc ,Stun & Turn servers and socket.js.
- Implemented major payment models such as wallets and payouts to sellers.
- Implemented Node.js cron jobs using the Multiprocessing module, enabling parallel execution of multiple tasks to optimize performance.
- Designed and implemented optimized algorithms that effectively reduced thread load and processing time.
- Implemented an EKS Server with PostgreSQL Serverless database, featuring dynamic horizontal and vertical scalability to efficiently adapt to application load.
- Leading the Ahura Project team while engaging in one-on-one consultations with the client to gather and implement new requirements.
- Created middleware to handle role-based access across various types of users in the organization.
- Automated birthday and anniversary emails using AWS Lambda to trigger every day.

SDE INTERN

Complere Infosystem   **Jan 2021-June 2021**

- Learned concepts of JavaScript, NodeJs, and React.
- Learned about MongoDB, Postgres, and SQL databases, creating and executing complex queries.
- Started working on live projects as part of my hands-on training program.
- Demonstrated a self-learning attitude and led personal projects effectively.
- Implemented Feedback system between employee and manager to bring transparency and learning in the organization.
- Learned business etiquette got exposure with clients and learned about requirement gathering and processing.
- Developed multiple API endpoints to render data on UI.

EDUCATION

UIET(PANJAB UNIVERSITY) **Chandigarh, India**
[Bachelors of Technology (IT)] **2018-2022**

AWARDS

- On the Spot Award, Q3 2022 GEMINI SOLUTIONS

PERSONAL PROJECTS

- **Movie Recommendation System:**

  - Worked in a team of 5 members on the topic of the Movie Recommendation System on the basis of genre and the movies you have watched earlier.
  - Created API to fetch and show the movies from the ML model to the UI and stores the watch history based on the users in the db.