Kuldeep Kumar
Engineering Leadership

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SKILLS

- Backend Development, Python, Django, Pandas, Data Analysis, FastAPI, System Design, Distributed Systems

EXPERIENCE

Software Development Engineer (Backend)
Jan 2020 - Present
Resero Analytics

- Developed a microservice-based system and multi-stage data processing pipeline using Pandas and message queues, boosting data flow efficiency by 25%.
- Architected a robust database and caching system, enhancing read query performance by 40%.
- Implemented parallel processing techniques, increasing throughput and data processing speed by 50%.
- Integrated third-party data pipelines, automating data fetching and processing, which reduced manual input time by 70%.
- Incorporated LLM technology to enhance text representation in toxicology reports, elevating report accuracy and clarity.

Engineering Leadership
Aug 2017 - Dec 2019
Schoolinks Inc

- Developed robust, scalable API-centric infrastructures, boosting system performance by 30% and enhancing user experience.
- Integrated customer APIs to automate data retrieval, significantly reducing onboarding time by 50%.
- Architected and implemented backend features using Python and Django, achieving parallelism with message queues and multiple consumers.
- Built a microservices-based architecture on AWS, ensuring a 99.9% uptime for production and staging environments.
- Executed comprehensive test plans and debugging scripts, improving code reliability and decreasing bugs by 40%.
- Modernized legacy codebases, enhancing functionality and maintainability, resulting in a 20% increase in developer productivity.

Software Development Engineer (Backend)
Apr 2016 - Apr 2017
Ishi Systems

- Engineered a robust streaming platform that empowered organizations to broadcast live events, resulting in a 30% increase in audience engagement.
- Streamlined live streaming and voice insertion via iPad, optimizing transcoding processes for seamless distribution to YouTube and mobile applications.
- Scaled the platform to accommodate thousands of concurrent users, enhancing reliability and user experience by 40% during peak events.

Software Development Engineer (Backend)
Apr 2015 - Apr 2016
Knowlarity
Bangalore

- Engineered seamless third-party integrations of Knowlarity's telephony solution with Zendesk, Freshdesk, and Salesforce, improving interoperability and increasing user satisfaction by 25%.
- Drove a 30% increase in user engagement by promoting Knowlarity's telephony systems, significantly enhancing lead generation and improving customer retention rates.

Software Development Engineer (Backend)
Oct 2014 - Apr 2015
Flikpart
Bangalore

- Identified and mitigated fraudulent activities in Flipkart's forensic system, resulting in a 30% reduction in fraud incidents and enhancing overall security.

System Engineer
May 2012 - Sep 2014
Infosys
Pune

- Gained experience in Core Banking Product with Infosys.
- Facilitated the rollout of new instances for various banks worldwide.
- Collaborated with teams for the development of the Development Bank of Singapore (DBS) and ICICI banks.

ACHIEVEMENTS

- Published a journal entitled "SIGNPRO-AN APPLICATION SUITE FOR DEAF AND DUMB"s (http://ijcset.net/docs/Volumes/volume2issue5/ijcset2012020506.pdf) in International Journal of Computer Science Engineering and Technology (IJCSET).

EDUCATION

Dayananda sagar college of engineering
2012
BE/B.Tech/BS in Computer Science