Kartik Patil

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PROFESSIONAL EXPERIENCE

Software Engineer, Accenture   02/2021 – 07/2022

- Implemented **user authorization** and data input functionality utilizing the Context API within a **React** application
- Developed a robust Notification micro-service in **Python** for e-commerce application with **Kubernetes** and **Docker** to Enhance system scalability and reliability
- Created asynchronous endpoints with **FastAPI** to manage high-throughput operations like batch order processing and real-time inventory updates, improving overall system performance.
- Implemented PL/SQL queries and **Python** script to manage Oracle's disk space by reallocating data blocks, reclaiming wasted space and ensured efficient disk usage
- Optimised SQL database schema for customer order management that resulted in a 35% reduction in execution time
- Collaborated closely with a cross-functional development team in an Agile environment and worked on integrating **Kafka** and **Adobe experience manager** to Salesforce CRM boosting customer experience by 25%
- Implemented a feature to facilitate **detection of fraudulent accounts** within the payment processing system resulting in a notable reduction of 20% in fraudulent accounts, significantly enhancing security

Full Stack Engineer, Edurun Group   08/2019 – 02/2021

- Engineered a highly scalable architecture in **Django(Python)** and **React(Typescript)** for Job Portal, supporting a user base of 50000+ monthly active users and a stellar 55% user retention rate
- Implemented data **Sharding** and optimized duplicate checks for **SQL database** operations, significantly enhancing system performance and reducing latency by 40%.
- Implemented performance optimizations such as **Incremental Static Regeneration** (ISR), and **CDN** caching, significantly enhancing website speed to achieve FCP and LCP under 250ms.
- Minimized **Lambda server** cold start issues and ensured low latency for global users.
- Led the migration of client-side code to **React** Server Components (RSC) with **Server Side Rendering** (SSR), reducing response times from a 8 seconds to a 800ms (90% improvement)
- Integrated **Rabbit MQ** and **Celery** for parallel processing, leading to a 55% reduction in delivery time and a significant 30- minute decrease in user wait times.
- Utilized **Redis** to implement real-time job updates, addressing ML server bottlenecks for enhanced efficiency.

TECHNICAL SKILLS

- **Languages:** Python, Javascript, Typescript, Java
- **Web Development:** HTML, CSS, Bootstrap, TailwindCSS, React, Next Js, Node JS, Express, Webpack, JSON Frameworks, REST, Flask, FAST API, Django
- **Database / Networking:** PostgreSQL, MongoDB, SQL, Supabase, CockroachDB, RabbitMQ, SQS
- **Tools:** Jenkins, Jira, Supabase, Docker, Git, Postman, BitBucket, Kafka, Confluence, Adobe Experience Manager

PROJECTS

Jobseekr.io 🔗

- Engineered highly scalable code for **JobSeekr.io**, driving a **10000 monthly active user** base with a stellar 22% retention rate, reflecting exceptional user engagement.
- Skills: NextJs, Django, PostgreSQL, Redis.

Cross Border Money Transfer - Remittance App 🔗

- Built end-to-end Next.js and TypeScript web application for cheap and fast international money transfers leveraging stable coins.
- Skills: Nextjs, PostgreSQL, Kibana, Sanity CMS

Language Trends 🔗

- Created a web application to analyze programming language trends on Stack Overflow and Reddit, delivering real-time community insights for developers.
- Skills: React, Django, MongoDB, RabbitMQ

EDUCATION

Master of Science, Computer Science,   Binghamton, NY, USA
Binghamton University, State University of New York