

KARTIK PATIL

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PROFESSIONAL EXPERIENCE

Software Engineer, Jobseekr.io

05/2023 – 04/2024 | Binghamton, USA

- Designed and implemented a robust and scalable architecture for JobSeekr.io, effectively supporting a dynamic user base exceeding 5000 monthly active users.
- Achieved an impressive user retention rate of 22%, showcasing remarkable user engagement.
- Utilized redis within a microservices architecture to implement real-time job updates, addressing ML server bottlenecks for enhanced efficiency.
- Integrated Celery for parallel processing, leading to a 55% reduction in delivery time and a significant 30-minute decrease in user wait times.
- Enhanced application performance through strategic utilization of Redis caching, resulting in expedited data retrieval times.
- Implemented Redis Hashes to streamline user storage, facilitating quicker retrieval and minimizing storage overhead.
- Designed and implemented caching strategy incorporating Redis for in-memory caching, server data cache for dynamic data, CDN for static assets and pages, and browser caching. This approach effectively ensured low latency for users worldwide.

Associate Software Engineer, Accenture

05/2020 – 08/2022

- Implemented user authorization and data input functionality utilizing the Context API within a React application.
- Introduced a robust Microservices architecture in Node Js for e-commerce application with Kubernetes and Docker to Enhance system scalability and reliability employing distributed system principles
- 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%
- Optimised server-side code, leading to a notable 15% boost in performance
- Redesigned a SQL database schema and objects that resulted in a 35-45% decrease in data retrieval time
- Implemented a feature in Node Js to facilitate detection of fraudulent accounts within the payment processing system resulting in a notable reduction of 20% in fraudulent accounts, significantly enhancing security
- Integrated the Salesforce CRM system with various APIs, resulting in a 30% increase in lead conversion rates and a 20% increase in customer retention
- Worked with QA team to develop unit testing and functional testing for the applications to ensure their reliability and functionality throughout the development life cycle
- Applied SCRUM methodologies to manage and prioritize tasks, resulting in improved project efficiency and timely delivery of features

EDUCATION

Master of Science,

08/2022 – 05/2024

Binghamton University, State University of New York

Binghamton, NY, USA

- Computer Science

TECHNICAL SKILLS

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

PROJECTS

Hangman Game 🎮

01/2024

- Developed a fully functional Hangman game using React for responsive UI components, Express.js for server-side logic, and MongoDB for database storage.
- Implemented responsive UI components with React to elevate the gaming experience, while ensuring seamless communication between client and server using Express.js.
- Integrated MongoDB to manage game data, enabling persistence of user scores and game states for an enhanced gaming experience.