Aman Jain

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Skills

Languages: NodeJS, ExpressJS, ReactJS, JavaScript, TypeScript, MySQL, NoSQL, DynamoDB

Technologies & Tools: AWS, EC2, DynamoDB, Lambda, Elastic Search, Logstash, Kibana, Docker, Kafka, Terraform, WebRTC & Socket.io, Firebase

Areas of Expertise: System Design, Distributed Systems, Data Structures & Algorithms, Scalability, Database Design

Work Experience

Kotak Securities, Bangalore   Jul 2023 – Present

Lead Engineer – M5 AVP

- Developed a new Authentication Mechanism for the users to secure their accounts and limit vendor access. Integrating this mechanism resolved the compliance issue and increased Algo Trading.
- Integrated Redis Sentinel in the infrastructure, bolstering high availability and fault tolerance. Implementing robust caching mechanisms using Redis resulted in optimized data retrieval and improved application responsiveness.
- Enhanced the code repositories by moving from multi-repo to mono-repo. Leveraged artifacts to streamline the development process, fostering efficiency and maintainability.
- AWS, EC2, S3, Kafka, ELK, MySQL, MongoDB, Docker, NodeJS, ReactJS, Payment Gateways

Simplilearn, Bangalore   Mar 2022 – Jul 2023

Software Development Engineer - 4

- Developed the Lead Scoring mechanism using the activity done by the learners. Every lead submitted in the system gets a lead score using the ML model. This feature increased the sales conversion by 10
- Automated the subtitle generation of the courses using machine learning. This automation increased the frequency of new course releases and reduced the expenditure on course preparation by 5%.
- Replaced the third-party events tracking with the own-built event tracking microservice. This reduced the company's expenditure on tracking by 65%.
- Upgraded the experience on Help & Support for learners. Optimization reduced 80% of ticket creation and surged user retention by 20%.
- NodeJS, ReactJS, TypeScript, AWS Step Functions, Lambda, DynamoDB, EC2, Kinesis, ELK, Tensorflow, AWS Transcribe, Payment Gateways

10times, Noida   Nov 2017 – Mar 2022

Project Lead

- Developed a Virtual Event Platform for event organizers to organize events online and hybrid. The platform had over 50k DAU and it created a new revenue stream for the company.
- Improved the event dashboard with the new features including support of other CRM, Lead Generation, and Trends in events. This increased user retention and created 50 organic subscriptions.
- NodeJS, ReactJS, PHP, Tensorflow, Payment Gateways

Education

Noida Institute of Engineering & Technology   Aug 2014 - Jun 2018
Bachelor of Technology - Computer Science   74.8%

Project

- **Neo Mutual Fund:** Enhanced the Kotak Mutual Fund segment by upgrading their MF WebApp Experience. Upgraded and optimized the servers to give flawless experience to a large audience. ReactJS, NodeJS, Typescript, Redis, MongoDB, and MYSQL.
- **MF JOB DASHBOARD:** Developed the job monitor dashboard to track and visualize mutual funds data processing. The dashboard helps the team monitor the processes and data sync. ReactJS, NodeJS, Typescript, Redis, MYSQL.
- **TOTP AUTH:** Added the new authentication flow to move the dependency of password sharing to the algo trading platform. Login using TOTP helped the traders gain control of the action done by the algo trading platform and resolved the compliance issue. NodeJS, Typescript, Redis, MYSQL.
- **TRADE DASHBOARD:** Created the dashboard for the CS team to view the trade placed by the users and system. Developed the backend microservice to track the trade activity. Dashboard resulted in heightened agent performance

and a consequential 4% reduction in ticket-solving time. ReactJS, NodeJS, Typescript, Docker swarm, Apache Kafka, Redis, MSSQL.

- **LEAD SCORE:** Developed the functionality of assigning a system-generated lead score to every lead using the ML model. Upgraded the inflow of the user activity events to feed the ML model. The feature increased the conversion of the leads by 10%. Kinesis, ExpressJS, NodeJS, Lambda functions, DynamoDB, and AWS ECS.
- **SUBTITLE GENERATION:** Automated the Subtitle Generation for content managers in the course preparation. Feature converts the video to text and saves the subtitles in VTT format. Feature reduced the expenditure on course preparation by 5%. AWS Transcribe, ExpressJS, NodeJS, ReactJS, Apache Kafka, Lambda, MySQL, and AWS Cloud Formation.
- **FLOOR:** Delivered a virtual event platform for the event organizers to organize events. Integrated features include video conferencing, messaging, RTMP support, Recording, Ticketing, and polls. The platform contributed 40% of the company's revenue. WebRTC, RTMP, WebSocket, Firebase, ReactJS, ExpressJS, NodeJS, ElectronJS, API Gateway, GCP cloud scheduler, Docker, ELB, RDS, S3, Cloud Front, AWS Secrets Manager, STUN & TURN server, TypeScript, and MYSQL.
- **oDASH & WHITE LABEL EVENT WEBSITE:** Enhanced event dashboard for the event organizers to create and target potential leads. Upgraded experience on LMS, CRM, Ticketing services, Matchmaking, SEO-optimized White label event websites, and apps. Revamped the platform to support the 80k DAU. AWS EC2, MySQL, AWS ELB, Microservices, Symfony, CodeIgniter, ReactJS, TypeScript, Memcached, GitLab, HTML, CSS, JavaScript and NodeJS.

Certificates

- Post Graduate Program in AI and Machine learning on Simplilearn
- PGC AIML - Machine Learning on Simplilearn