

NILESH KUMAR

Software Engineer - Backend

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RELEVANT EXPERIENCE

Software Engineer

November 2022 - Present

Biz2Credit Infoservices Private Limited, Noida - Business lending automation products firm

- The application automates and logs several workflows associated with loan recoveries. It uses NestJS along with MongoDB and Angular 8 hosted on AWS. I implemented this base service from scratch, which all the other microservices extended for V2 of this product.
- Optimized reports thus reducing turnaround time of an average sized report (~50,000 rows) to around a minute from previous ETA of 8 - 10 minutes and extended data size limit of the reports by using streams, thus resolving a key complaint from the client.
- Implemented a framework to simplify the development of new data reports which reduced the development time to one or two days from an average of five days with support for asynchronicity.
- Contributed to the new design and implementation of data upload, using AWS Lambda to concurrently process batches of data. It pushed the limit to 5,00,000 records per user at once from 1,00,000 records.

Software Engineer

December 2020 - November 2022

To The New Private Limited, Noida - Software services firm

- Led a team of 4 developers to maintain the codebase and extend functionalities of NestJS and vanilla NodeJS services and user interface of a tax automation and insights project for a BIG4 client.
- Designed a microservice to handle large data exports with background processing to support up to 10 million records in Excel format with support for additional file formats (PDF and CSV).
- Implemented NestJS services with rate limiting, middlewares and interceptors in place to integrate the application with the Government GST tool to automatically push and pull client data.
- Planned integration of RabbitMQ in all NestJS and vanilla NodeJS services to prevent loss of requests in case of disruptions.
- Implemented proof of concepts involving AWS OpenSearch and AWS ElastiCache which were later put in the pipeline to be integrated into the application.
- For another UK based client I was solely responsible for moving a legacy javascript service to typescript with modern patterns and practices in a recruitment interview scheduling and automation application.
- We planned and integrated the service with the serverless framework to seamlessly run the application as AWS Lambda.
- Implemented an automated pipeline library to move AWS Lex chatbot configurations to higher environments without manual intervention in the same project.
- Contributed to integration with AWS SNS to provide real-time push notifications to individual interviewers and panels.

Software Engineer Trainee

February 2020 - December 2020

To The New Private Limited, Noida - Software services firm

- Learned professional web development in MongoDB, ExpressJs, Angular, and NodeJS stack.
- I created a dashboard to track COVID-19 cases worldwide using data from provided public APIs.
- Developed a basic social networking website, and translated requirements into concrete stories on JIRA with time estimates.

Education

Amity School of Engineering and Technology, Amity University, Noida, Uttar Pradesh

Bachelor of Technology, Computer Science and Engineering

Additional Information

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Skills: Well-versed in Javascript and Typescript, in-depth understanding of NodeJS framework, experienced in Angular 8+, have worked with AWS cloud solutions such as Lex, S3, and Lambda.