Rafat Ahmed

Senior Software Engineer

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OVERVIEW

Senior software engineer and backend architect with over 8 years of industry experience across different industries, platforms, systems, and services. Over the last 6 years, I'm completely focused on web development. I love designing infrastructures and I've experience working as a Web backend Architect I also have efficient knowledge in frontend. Always try to maintain all the industry standards from development to deployment - such as test-driven development, proper use of git-flow, and all containerization technologies.

SKILLS

Javascript

Nodejs | express | AdonisJs | react | nestJs | typescript| jest

php

Laravel | symfony | composer | PHPUnit | Xdebug

Database

MySQL | mariadb | postgres

Software Engineering

Git | jira | scrum | docker | design patterns | sdlc | kitemaker

Cloud

Aws lambda | aws code pipeline | EC2 | S3 bucket | aws cloud front

Searching Tools

Algolia | mysql full-text search | elastic search

WORK EXPERIENCE

Senior Software Engineer at StudioDevHub

May 2024 - present

https://studiodevhub.com

Role: project coordinator, development

Technologies: Nodejs, NestJS, postgres, AWS, react, NextJs, typescript, lambda

- Developing web applications for auction services using Node.js (NestJS) and for clients using React and Next.js, with PostgreSQL for the database. Our system supports a multi-vendor seller system where sellers have full control over their auctions, customers, and products.

- Buyers can add auction products to their wishlist and follow sellers for future interactions. Registered buyers get notified immediately when a seller makes an auction live using SendGrid for email services.

- Real-time updates on auctions are provided, making the service popular among sellers and buyers. For queuing services, we use SQS; for notifications, we use SNS; and for deployment, we use ECS with AWS Load Balancer for scalability.

- A convenient online auction service that scales the traditional auction process, providing real-time updates and notifications to enhance user engagement.

- We recently started unit testing and achieved 53% code coverage using Jest. We also monitor and log using CloudWatch to ensure system stability and quick issue resolution.

- Visit us at vendidit.com to explore how our platform revolutionizes online auctions with live bidding, multi-vendor support, and real-time notifications.

Senior Software Engineer at Cefalo Bangladesh Ltd.
December 2021 - April 2024
https://www.cefalo.com/en/

Role: project coordinator, development

Technologies: nodejs, express, postgres, Kitemaker, AWS, python, react, nextjs, typescript, mysql, lambda

- Developed microservice-based web applications for rental service using node js and for client using nextjs. https://leid.no/

- Instead of buying, people can borrow tools. After placing an order the user will get a QR code. They are using that he/she can take the ordered tools for a time.

- Developing subscription system using PHP, Laravel, node, and Express that is already in use in several sites https://www.friflyt.no/
. In the subscription system, we can provide monthly and yearly subscriptions based on the requirements.

- using node js we serve the data for the from elastic search also in aws lambda we used node js for storing data to elastic search

- creating custom node modules for the server-side API handling, and unit testing code coverage (82.4%) using JEST.

Senior Software Engineer at Thrive EdTech
May 2020 - October 2021
https://www.thrive.com.bd/

Role: System architecture design, development

Technologies: react, laravel, mysql, digital ocean, google cloud, jira, git, redis, python, dgraph, django

- Developed microservice-based web applications for learning analytics.

- Teachers and students get their results based on exams. Also, they can see their progress with the time.

- Developed school management so students and teacher can easily share their current progress, Also routine management was one of the big features. integrated third-party communication services like Zoom, and Google Meet for virtual classrooms.

Senior Software Engineer at Rapid Web Services
October 2016 - April 2020
https://www.rapidws.net/

Role: Software engineer and team lead

Technologies: laravel, mysql, react, aws, jira, git

- Developed REST API based inventory application for various business tracking, and real-time data visualization using Kibana.

- Implemented user-defined business models for different organizations. Also, implement data encryption for security.

- Used Elasticsearch to manage data retrieval. It improved the efficiency of data retrieval by more than 1.3%.

- Implemented docker for fast development and deployment.

EDUCATION

BSc. Engineering in Computer Science & Engineering
from Ahsanullah University of Science & Technology

REFERENCES

Md. Abul Kasem Shimanto

Software Development Engineer @ LivePerson

siamnto604@gmail.com

Shariar Shaikot

Frontend Developer @Frontmen

mail2shariar@gmail.com