Zhalok Rahman

Software Engineer 2 at AGT Software Partners
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Experience

Kinetik Healthcare *Software Engineer 2*
2025-04-01 – Present

- Worked with Kinetik Healthcares Trip Assistant team.
- Fixed SQS and Lambda based bulk dispatch workflow to ensure only corrupted trips are not dispatched in the batch.
- Implemented realtime notification system using MongoDB CDC, Redis Streams, and WebSocket.
- Designed RBAC mechanism with Access Control Matrix and ensured realtime revocation with CDC streams.
- Migrated trip dashboard to AG Grid for smoother and cleaner implementation.
- Conducted load testing on APIs and monitored resource usage under stress from CloudWatch.

PropertyFinder *Software Engineer (Golang)*
2024-10-01 – Present

- Built API endpoints with API Gateway, Lambda (go), DynamoDB and Opensearch
- Performed load testing experiment with go script and created a dashboard with necessary metrics to observe the changes in high load
- Implemented asynchronous business logics with SQS, Lambda (go) and Kinesis streams
- Fixed and investigated production incidents,
- Collaborated with data engineering team for fixing data migration issues
- Deployed application with serverless framework and github actions
- Written go scripts for resolving incident and migration of data

Learnyx AI *Fullstack Engineer*
2023-10-01 – 2025-02-01

- Built RESTful API endpoints with Nest JS and Built front-end components with React JS, fetched data with TanStack Query.
- Built AI generation pipeline with Langchain and used websocket for realtime AI generation streaming
- Implemented usage based rate limiting and locked the user for a certain period with redis TTL
- Prepared a home server as a staging server with NGINX, Ngrok and docker for UAT
- Participated in business decisions from technical point of view with business stakeholders
- Designed architectures and solution diagrams
- Guided a small team of 2-3 people on different architectures and best practices
- Decoupled heavy operations as async jobs with RabbitMQ
- Built search efficient functionality with elasticsearch
- Implemented payment feature with stripe, synced stripe data across the system with webhook
- Deployed and managed application infrastructure with containerization into self hosted environment with coolify

Innovext IT *Fullstack Developer*
2022-12-01 – 2023-10-01

- Built REST apis with Nest JS, Express JS and FastAPI (for deploying fine-tuned model)
- Implemented payment and monetary transaction features by integrating third party payment gateways (stripe and paypal)
- Built client side application with Next JS, used Redux for efficient data fetching and dataflow
- Built an internal monetization system with credits, ensured smooth credit transfer with mongodb sessions

CodexPro *Scratch and Python Instructor*
2021-09-01 – 2022-10-01

- Conducted mentorship on Python and Scratch
- Collaborated with marketing team on different offline and onsite campaigns
- Prepared educational contents for programming
- Collaborated with the technical team

Skills

React , Node JS (Nest JS, Express JS), Next JS, Microservices, PostreSQL, Python (Fastapi, asyncio), Docker, MongoDB, NLP, LLM, Computer Vision, Pytorch

Education

Shahjalal University of Science and Technology
Bachelors of Science in Computer Science *2019-01-01 – 2024-04-01*