Durvesh Panchbhai

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Summary:

Experienced backend developer with expertise in AWS services and a strong background in Python. Adept at designing and implementing scalable backend systems to support robust applications.

Technical Skills:

- **Backend:** Python (Django, FastAPI), Nodej, Java.
- **Devops:** AWS (CDK, SDK) (Certified Developer), Docker, Github Workflows.
- **Database:** MySql, DynamoDB, NoSql.

Experience:

Software Engineer - Quantsapp | Apr 2024 - Present

- Developing large-scale backend systems with Python.
- Developed a high-load login and order execution system integrating over 8 broker's APIs.
- Building a low-latency, intuitive algorithmic trading system.
- Integrating a high-speed order update system using WebSockets, Kafka, broker APIs, and multiple in-house APIs.

Software Engineer & Co-Founder - Digitalyft | Oct 2023 - Apr 2024

- Developed three algorithmic trading projects utilising Django, deployed on AWS, and implemented automated deployment through GitHub workflows.
- Integrated broker APIs and achieved sub-second order placement time, ranking among the top performers in the industry.Integrated real-time NSE data with sub-millisecond latency, enabling rapid data processing and analysis using Python libraries such as Numpy and Pandas.
- Leveraged AWS EC2 for specific components, AWS Lambda for others, and Docker for streamlined deployment across diverse services, ensuring optimal system efficiency. Reduced the deployment cost by 50%.

Associate Software Engineer - Hexaware | June 2021 - Oct 2023

- Architected AWS Lambda functions using CDK code, seamlessly integrated with Kinesis data streams to enable real-time data processing and analysis.
- Implemented robust data storage solutions utilising S3 buckets and DynamoDB, with DynamoDB streams facilitating seamless integration with other components of the project's architecture.
- Orchestrating business logic within Lambda functions written in Node.js. Conducted rigorous unit testing and functional testing of all components on the AWS console to ensure reliability and performance.

Projects:

[Link] AlgoXp.com , Algo Trading Strategy Implementation | Digitalyft - Backend Development and Devops
Tech Stack - ReactJs, Python (Django) , Docker, AWS EC2, AWS Lambda, AWS SNS, AWS DynamoDB, MySQL

- Backend development utilising Python and the Django framework to compute complex stock market indicators. Utilised Docker and GitHub workflows to deploy on EC2, leveraging a mix of EC2 and Lambda to cut deployment costs.
- Integrated NSE live market data WebSocket API from different brokers to access real-time market information.
- Employed AWS SNS and Lambda along with broker API integration to efficiently process user orders, achieving sub-second order placement times for all users.

Business card Scanner | Digitalyft - Backend development and Devops
Tech Stack - React Native (for IOS), AWS Lambda, Python

- Trained a Machine Learning model for Named Entity Recognition to extract information from text efficiently.
- Developed multiple APIs using AWS API Gateway integrated with Lambda functions, while utilising AWS S3 for storing business card data.
- Utilised AWS CDK to deploy the entire serverless backend for the application, simplifying the deployment process and enhancing efficiency.

Education:

Lokmanya Tilak College of Engineering, Navi Mumbai - B.E. Computer Engineering:

- Year of passing : 2021 CGPA:- 8.14