Lai DeMing

# Location: Singapore

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# Summary:

* Professional Java Full Stack Engineer with extensive experience in Angular, React/redux, Restful Api, graphQL, core java, microservices etc, and more backend(70% backend and 30% frontend)
* Strong experience with SQL and NoSQL databases including MongoDB and GraphQL.
* Strong knowledge with BigData, Apache spark and Scala.
* Experience Developing RESTful APIs using Java, Spring Boot for a web application with over 1 million users per month.
* Proven ability to design, build, and maintain efficient and scalable systems. Passionate about developing maintainable code, using the latest technologies, and working in a collaborative environment.
* Experience Building the infrastructure for CI/CD with Jenkins, Docker, Kubernetes.
* Experienced in AWS(lambda, DynamoDB, SQS, EC2, EKS, Cloud Build) and GCP(GKE, GCP functions, etc)

# Education:

* Bachelor’s Degree in Computer Science, National University of Singapore

# Skills:

* Java, Kotlin, Spring Boot, Webflux
* JDBC, Hibernate
* Java Spring JPA
* NoSQL(MongoDB, DynamoDB, Cassendra)
* SQL, Oracle, GraphQL
* Kafka & RabbitMQ, gRPC
* BigData, Apache spark
* Multithreading
* Docker, OpenShift, Kubernetes
* Javascript (React, Angular), Python
* TDD – Junit, Mockito, JMeter
* Elastic Cache/Redis
* Terraform
* Selenium, Web Driver
* AWS & GCP
* Knowledge of C/C++ and C# languages.

**Professional Experience**

**BookBeam Boston, US Nov 2020 - Apr 2023**

**Software Engineer**

* Developed RESTful APIs using Java - Spring Boot & NodeJS for a web application with over 1 million users per month.
* Developed frontend in Angular
* Used Kafka to Stream Data in backend side.
* Used Selenium and Web Driver to scrape date from Amazon
* Developed an engine in Scala with Spark to handle big data from AWS to increase their sales on Amazon
* Development Multithreading solution to improve the scrapping engine infinitely.
* Used MySQL, NoSQL(MongoDB) and GraphQL on the back end
* Used JIRA as the bug tracking system to track and maintain the history of bugs/issues on everyday basis.
* Worked with Mockito Testing Library unit test framework to write unit tests for backend apis.
* Monitoring the offshore work and providing technical help to the offshore team for their JIRA tickets.
* Performed the System Testing, Regression Testing for Complete UI after fixing the Issues which are reported by Testing Team.

# CRYPTO-INC Arkansas, US Software engineer

* Created APIs to provide financial data to front end applications.

# Jan 2019- Oct 2020

* Responsible for development crypto-currency swap system similar with binance(https://www.binance.com)
* Responsible for development of backend side inGo and Spring Boot(Java).
* Worked with Apache spark to manage BigData on AWS Cloud and accelerating Crypto’s sales.
* Worked with scala, apache spark developing engines for BigData.
* Maintained states in the stores and dispatched the actions using redux.
* Used React-Auto complete for creating google map's location search on the webpage.
* Created and used Reducers that received said Actions to modify the Store State Tree.
* Worked with backend engineers to optimize existing API calls to create efficiencies by deprecating unneeded API calls.
* Called the Restful web services calls for POST, PUT DELETE and GET methods with MS SQL backend.
* Worked with AWS Lambda using Node.js 14 including SNS to refresh data based on changes.

# AVANAN New York, US Backend Developer

* Responsible for backend API development in Python &NodeJS
* Responsible for deployment & management of NodeJS WebSocket Service in AWS Lambda

# Feb 2017- Feb 2019

* Responsible for deployment & management of Python Backend Service in AWS EC2 instance – Ubuntu Server
* Partnering with teammates to discuss about solutions
* Responsible for identifying the gap, coordinate with external team for dependency resolution and closing the gap
* Responsible for analysis big database with mongoDB
* SQL query optimization with GraphQL
* Partnering with Scrum master and Product manager in daily scrum call, resolving impediment related to mapping document, sprint planning and PI planning

# Linte São Paulo, Brazil Backend Developer

**May 2015 – Jan 2017**

* Responsible for development and guidance junior developers in the technical stacks: NodeJS, ReactJS, MongoDB, AWS Recognition, AWS S3, AWS Lambda.
* Responsible for infrastructure and management of AWS Clouding Services including payment role.
* Responsible for development of backend apis in Java (Spring Boot Framework).
* Implementedload-balancingwithnginxtoallowNodeJSinstancestohandleconcurrentusers.
* Built RESTAPIs, CRUD operations, HTTP methods, JWT & Refresh tokens.
* Node.js, MongoDB with Mongoose, TypeScript and Express & express middleware
* Used MySQL and NoSQL on the backend
* Worked closely with System Administrators to take ownership of the product's operations and metrics
* Worked on RESTful API design and development
* Partnering with teammates to discuss about solutions
* Responsible for suggestion of the best solutions to scale the product