

Lai DeMing

Location: Singapore

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Summary:

- Professional Full Stack Engineer with extensive experience in Angular, React/redux, Next.js, Restful Api, graphQL, core java, microservices etc, and more backend(70% backend and 30% frontend)
- Strong experience with SQL and NoSQL databases including MongoDB, PostgreSQL and GraphQL.
- Strong knowledge with BigData, Apache spark and Scala.
- Experience Developing RESTful APIs using Node.js, Python and 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 of Computer Science (BCompSc), National University of Singapore, 2009-2013
National University of Singapore's computer science program offers a broad range of courses covering programming languages, algorithms, computer networks, software engineering, and more. The curriculum aims to equip students with both theoretical knowledge and practical skills to excel in the field of computer science.

Skills:

- Java, Kotlin, Spring Boot, Webflux
- JDBC, Hibernate
- Java Spring JPA
- NoSQL(MongoDB, DynamoDB, Cassandra)
- SQL, Oracle, GraphQL
- Kafka & RabbitMQ, gRPC
- BigData, Apache spark
- Multithreading
- Docker, OpenShift, Kubernetes
- Javascript (React, Next.js, 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 data 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

Jan 2019- Oct 2020

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

Feb 2017- Feb 2019

- Responsible for backend API development in Python &NodeJS
- Responsible for deployment & management of NodeJS WebSocket Service in AWS Lambda
- 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).
- Implemented load-balancing with nginx to allow NodeJS instances to handle concurrent users.
- Built REST APIs, 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