

Thomas Richardson



Software Engineer with OpenAI, VoIP,
Backend, AWS, Frontend

CONTACT



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Woodstock, IL

SKILL

- Java, Kotlin, Spring boot, Webflux
- JDBC, JDK, Spring JPA
- NoSQL(MongoDB, DynamoDB)
- SQL, Oracle, GraphQL
- Kafka & RabbitMq, gRPC
- OpenAI, LLM, LangChain, ML
- JavaScript/TypeScript
- Frontend – React, Next, Vue, Angular,
- AWS & GCP
- OpenCV, Ffmpeg, OpenSSL
- C/C++, C#
- GPT-4, GPT-4o and other models
- Python(Flask, FastApi, Django), go
- MultiThreading
- Docker, OpenShift, Kubernetes
- Android/iOS App
- Flutter, React-Native
- MVP
- JNI Developing
- VoIP, FreeSwitch

Summary

Professional Software Engineer with extensive experience in OpenAI and Machine Learning, VoIP technology and Developing Backend in RestFull API, GraphQL, Java, Node, Python. Strong Experience in Software developing and have 10+ years experience.

This is my LinkedIn : www.linkedin.com/in/thomas-r-a3b944296/

Professional EXPERIENCE

○ CNA Insurance, Chicago IL, US

Senior Specialist Dec 2022 – Nov 2023

- Developed RESTful APIs using Java(Spring Boot) based on microservice architecture. Maecenas efficitur orci orci, elementum pretium
- Responsible to develop custom nifi based on Apache Nifi in Java Core programming language and used Kafka to Stream Data in backend side and developed a microservice.
- Responsible to design database and architecture.
- Used MySQL, NoSQL(MongoDB) and GraphQL on the backend and deployed in GCP Kubernetes Engine with GCR.
- Deployment & Management the product (multi microservices) using GCP Clouding Services and Atlassian Tools.
- 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
- Mentoring the offshore work and providing technical help to the offshore team for their JIRA tickets.

○ BookBeam Boston, US

Software Engineer Nov 2018 – Dec 2022

- Developed RESTful APIs & SOAP using Java/Kotlin - Spring Boot for a web application with over 1 million users per month
- Developed frontend in React with Redux for frontend application and developed chrome extension as well.
- Used Kafka to Stream Data in backend side.
- Used Selenium and Web Driver to scrape data in python from Amazon
- Developed an engine in Scala with Spark to handle big data from AWS to increase their sales on Amazon

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- Used MySQL, NoSQL(MongoDB) and GraphQL on the back end
- Deployment & Management the product (multi microservices) using AWS Clouding Services(AWS Lambda, DynamoDB, SQS, EKS) in the development stage but later migrated into GCP(GCP Functions instead AWS Lambda, MongoDB instead AWS DynamoDB, Apach Kafka instead of AWS SQS, GKE instead of EKS).
- 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.
- Performed the System Testing, Regression Testing for Complete UI after fixing the Issues which are reported by Testing Team.0

○ AVANAN New York, US

- 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 2013 – Jan 2015

- 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-balancing with nginx to allow NodeJS instances to handle concurrent users.
- 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