

# KAILONG, DUAN

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## SUMMARY

**Full-Stack Software Engineer** with **4 years of experience** architecting high-traffic enterprise applications. Expert in **Java (Spring Boot)**, **React.js**, **Vue.js**, and **AWS** with deep expertise in microservices and distributed systems (Kafka/Redis). Currently advancing skills in **LLMs and Python** for AI-driven development.

## SKILLS

### Languages & Frameworks:

- *Languages: Java, Python, JavaScript (ES6+), HTML5, CSS3, SQL, WebGL*
- *Frameworks & Libraries: Spring Boot, React.js, Vue.js, Tailwind CSS, Node.js*
- *Cloud & DevOps: AWS (EC2, RDS, S3, Elastic Beanstalk), Docker, Jenkins, GitLab CI/CD, Linux, Nginx*
- *Databases & Middleware: MySQL, Oracle, Redis, Kafka*
- *Emerging Tech: Large Language Models (LLMs), LangChain, AI-driven Development*

## EXPERIENCE

### Truelore

Beijing, China

Software Engineer

Aug 2020 – 2022

- a) **Microservices Architecture:** Architected and deployed 6 core microservices utilizing **Java Spring Boot** and RESTful APIs, enhancing system scalability by **40%** (peak transaction capacity) and ensuring **99.8% uptime reliability**.
- b) **Performance Optimization:** Diagnosed and resolved critical framework stability issues, resulting in a **20% reduction** in operational costs and decreasing P1 production incident rates by **15%**.
- c) **DevOps Automation:** Automated end-to-end CI/CD pipelines via **Docker** and **Jenkins**, decreasing Lead Time for Change by **35%** and reducing pre-production integration errors by **90%**.
- d) **Internal Systems:** Engineered a large-scale internal management system (**React.js**, SSO) serving **2,000+ internal users**, standardizing access control across 15 critical applications.

### iSoftStone

Shenzhen, China

Software Engineer

Aug 2018- Aug 2020

- a) **Front-End Development:** Developed responsive Single Page Applications (SPAs) using **Vue.js** and **React.js**, achieving **95% cross-browser compatibility** and supporting **10,000+ Daily Active Users (DAU)**.
- b) **High-Concurrency Handling:** Optimized application server performance using **Nginx** load balancing and Redis caching strategies, successfully handling peak loads of **500+ Requests Per Second (RPS)** with sub-second latency.
- c) **Pipeline Efficiency:** Established foundational CI/CD automation using Jenkins and GitLab, eliminating manual deployment errors and increasing release frequency from bi-weekly to daily.
- d) **Backend Modernization:** Collaborated with cross-functional teams to refactor legacy code into modular **Spring Boot** services, reducing technical debt and improving code maintainability by **25%**.

## EDUCATION

### Southern Methodist University

Dallas, TX

Master Degree in Software Engineer

May 2024-May 2026

Engineering | Expected May 2026

- *Relevant Coursework: Distributed Systems, Cloud Computing, Artificial Intelligence, Machine Learning.*

### Henan University of Economics and Law

Zhengzhou, China

Bachelor's Degree in Science

Sep 2013 - Jun 2017