

Dian Ding

Sunnyvale, CA • (669) 249-8385 • dian.ding.official@gmail.com • [linkedin.com/in/dianding](https://www.linkedin.com/in/dianding)

QUALIFICATION OVERVIEW

- Over 5 years of professional experience in translating functional requirements into robust, efficient, supportable solutions. Strong architect and technical skills to design large scale systems. Experienced in distributed systems, databases and cloud infrastructure.
- Successfully led complex, scalable projects with multiple stakeholders under tight timeline and changing circumstances. Continually raised the bar and drove the team to deliver high quality products, services, and processes.
- Devoted in mentorship. Guided newer team members and interns by providing constructive feedbacks on code reviews, design discussions. Dedicated to deep diving, resolving issues and documenting for future reference.

LANGUAGES & SKILLS

Programming languages: Java, Python, Scala, C/C++, PHP, Ruby, Golang, JavaScript, TypeScript

Frameworks: Spring Boot, Spring MVC, Ruby on Rails, Django, Flask, Hadoop

Database: MySQL, DynamoDB, MongoDB, Redis, ElasticSearch, HBase, Memcached

Other: Distributed System, Microservices, A/B Testing, Big Data Processing, Docker, Nginx, Spark, RabbitMQ, Kafka

PROFESSIONAL EXPERIENCE

- **Software Development Engineer** Feb. 2018 – Present
Amazon in Santa Clara, CA
 - Designed, implemented and delivered multiple critical features and components for Alexa Reminders and Lists.
 - Led the tech improvement project, paid off tech debt and reduced UPL by ~70% after a series of optimizations.
 - Drove the user growth project, designed and conducted multiple upsells through A/B testing that provided justifications with data and metrics for feature launch.
 - Architected and built a scalable, resilient, fault-tolerant platform from scratch with compliance of legal and privacy, made it easy to handle two-way communications with users via text messages.
 - Collaborated with multiple cross-functional teams of engineers, business analysts, PMs, built and delivered data pipelines collecting, processing data for generating business reports.
 - As a security certifier, responsible for reviewing, identifying security risks of software applications.
 - Certified NLU (Nature Language Understanding) author, made updates in deterministic & statistic models.
 - Designed, implemented the management portal and workflow for provisioning & de-provisioning EC2 instances.
- **Software Development Engineer Intern** May. 2017 – Aug. 2017
Amazon Web Service in Seattle, WA
 - Owned a full stack project with 1) A service with the capability of transforming JSON/XML to Ion structure and computing differences between two Ion structures; 2) An interactive website to display Ion structures in a user friendly way and the differences with highlighted background.
- **Senior Software Development Engineer in Java** Oct. 2015 – June. 2016
Shanghai Jizhuang Technology LLC in Shanghai, China
 - Architected and implemented a CMS single-handedly managing merchandise, order, user, shipping information.
 - Designed and implemented RESTful APIs for online shopping website, handling merchandise search/sort, order placement, payment, user management, etc.
- **Software Development Engineer** July. 2014 – Sep. 2015
Yougu Decoration & Engineering LLC in Shanghai, China
 - Collaborated with PMs, UX designer, built a website for publishing ads, promotions and events. Designed and implemented a CRM single-handedly using Java, MySQL for backend and PHP, HTML, CSS for front-end.
 - Architected and implemented a state-of-the-art quoting system for home modeling, reduced ~80% of the time that interior designers spent on quoting for customers.

EDUCATION

- North Carolina State University, College of Engineering, Raleigh, NC Aug. 2016 - Dec. 2017
M.Sc in Computer Science
- SouthEast University, College of Software Engineering, Nanjing, China Sep. 2009 - June 2013
B.Eng in Software Engineering