

# Di Sheng (Senior Software Engineer)

nuodi@hotmail.com  
mobile: 672-551-5678  
6033 Gray Ave, Vancouver

## EXECUTIVE SUMMARY

- 6+ years of experience as a Software Engineer, proficient in building web apps from scratch.
- Proven expertise across the entire software development lifecycle, delivering high-quality results consistently.
- Passionate about optimizing workflows and enhancing efficiency through innovative tools.
- Skilled in transitioning traditional infrastructure to cloud-based (micro-service) environments, enhancing system scalability and reliability.
- Strong grasp of Python Data Science tools and foundational knowledge of machine learning principles.

## TECHNICAL SKILLS

- Languages and Frameworks: Golang (Gin/Gokit/Gorm), Ruby (Ruby on Rails), JavaScript (Vue2/3), Typescript (Angular5), HTML5, CSS/SASS (Bootstrap/Angular Materials/ElementUI), C, PowerShell, Java (Spring Boot/Spring Cloud), Python3(Numpy/TensorFlow)
- Software/Cloud Tech: Elasticsearch, Kibana, Logstash, Prometheus, Grafana, Docker, Kubernetes, Helm, Consul, VSCode, Git(Gitlab/Github), Jira, Confluence, AWS, Nginx
- Databases: MySQL, PostgreSQL, MongoDB, OpenTSDB

## WORK EXPERIENCE

### SENIOR SOFTWARE ENGINEER

Apr. 2020 - Oct. 2023

CHINA TELECOM, Hangzhou, China

#### KEY DUTY

- Collaborated to build a low-code development platform that decoupled developers from non-technical personnel.
- Engineered a GoKit-based microservice to collect and aggregate Kubernetes cluster metrics, orchestrating data flow into OpenTSDB for efficient persistence. Developed a dynamic Vue3 and ECharts dashboard for sophisticated data visualization and proactive alert management.
- Owned DevOps tasks, including configuring CI/CD pipelines with GitLab, integrating ELK for logging, and implementing MinIO as S3 storage.
- Led the frontend development of 3 major projects, supporting up to 6 backend developers simultaneously, and spearheaded the maintenance of legacy projects through code refactoring, component re-encapsulation, and new feature implementation.
- Independently engineered the frontend of the Cloud-WiFi management platform using Vue3 from scratch.

#### HIGHLIGHTS

- Promoted the low-code platform within the enterprise, actively used by over 100 employees across 5 departments.

- Engaged with users through training, documentation, and feedback collection for requirements planning.

## SOFTWARE ENGINEER

Oct. 2019 - Apr. 2020

*RAONI TECHNOLOGIES, Jinan, China*

### KEY DUTY

- Developed a decoding configuration management platform integrated with China Telecom IoT Cloud.
- Designed and implemented data pipelines for processing and analyzing data collected from sensors embedded in hospital logistics equipment, optimizing data storage and retrieval.

### HIGHLIGHT

- Visited Malaysia as the company's technical representative to conduct roadshows with the local government, which subsequently led to the establishment of our company's office there, strengthening the company's footprint in the Southeast Asian market.
- Collaborated with Academy Li-Ren Zhang on a sophisticated digital modeling initiative, successfully employing machine learning techniques to achieve a model accuracy above 95%.

## SOFTWARE ENGINEER

Aug.2016 - May 2019

*ZEBRA TECHNOLOGIES, Long Island, US*

### KEY DUTY

- Customized and maintained an Android app to meet new testing requirements.
- Generated an automated reporting system using Ruby script and JIRA REST APIs.
- Built automation testing fixtures using Raspberry Pi GPIO and created a visualization dashboard.

### HIGHLIGHT

- Reduced the workload of manual testers by 35% through automation testing fixtures.
- The 24/7 operation of automation testing fixtures decreased test cycle duration by 20% and accelerated product delivery timelines by 15%.

## EDUCATIONAL

- 
- Master of Computer Science, New York Institute of Technology (GPA 4.0/4.0)
  - Bachelor of Chemical Engineering, University of Toronto

## MISC. INFORMATION

- 
- Languages: Fluent in English and Mandarin
  - Personal Knowledge Base: <https://chocolateacecream.github.io/vuepress-blog/>