

Di Sheng (Senior Software Engineer)

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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.
- Collaborated with Academy Li-Ren Zhang on a sophisticated digital modeling initiative, successfully employing machine learning techniques to achieve a model accuracy above 95%.

HIGHLIGHT

- Visited Malaysia as a technical representative for technical support and translation services.

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.

EDUCATIONAL

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

MISC. INFORMATION

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