Di Sheng (Senior Software Engineer)

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EXECUTIVE SUMMARY

- 6+ years of experience as full-stack developer, proficient in building web apps from scratch
- Proven expertise across the entire software development lifecycle, from analysis and design to development, testing, and deployment with CI/CD, consistently delivering high-quality results.
- Passionate about optimizing workflows and enhancing efficiency through the development of innovative tools
- Skilled in transitioning traditional infrastructure to cloud-based environments, enhancing system scalability and reliability through service discovery, API gateways, and load balancing
- Solid grasp of Python Data Science tools such as NumPy, TensorFlow, Plotly, and Scikit-learn, along with 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

WORK EXPERIENCE

SENIOR SOFTWARE ENGINEER
Apr. 2020 - Oct. 2023

CHINA TELECOM, Hangzhou, China

KEY DUTY

- Collaborate and built a low-code development platform that decoupled developers from non-technical personnel
- Developed a GoKit-based microservice to gather and aggregate Kubernetes cluster metrics, pushing the data to OpenTSDB for persistence. I also created a Vue3 and ECharts dashboard for advanced visualization and alert management, enhancing operational decision-making and system management
- Owning DevOps related tasks in the team, including configuring CI/CD pipelines using GitLab, integrating ELK for logging, and implementing MinIO as S3 storage.
- Responsible for maintaining frontend of several old projects, including code refactoring, component re-encapsulation, and new features implementation
- Independently engineered the frontend of the Cloud-WiFi management platform using Vue3 from scratch. This platform serves as the primary interface for configuring and managing IoT devices, facilitating their seamless communication with cloud services

HIGHLIGHTS

- The low-code platform has been extensively promoted and adopted within the enterprise, with over 100 employees actively using it. Through training, non-technical personnel have created various web apps based on their own needs using a low-code platform. These apps include a business data visualization dashboard for business showcase, a WeChat mini-program for operation and maintenance personnel, and a team-building lottery SPA for HR use
- Closely engaging with users, providing training and documentation, and collecting user feedback to create requirements planning for the agile development team
- Owned 3 projects' frontend and supported up to 6 back-end programmers at the same time

SOFTWARE ENGINEER   Oct. 2019 - Apr. 2020
RAONI TECHNOLOGIES, Jinan, China

KEY DUTY
- Developed a decoding configuration management platform that integrated with China Telecom IoT Cloud, implemented microservices to provided functionalities such as decode package uploading and configuration management
- Worked with Academy Li-Ren Zhang on a digital modeling project. Modeled data collected from sensors embedded in hospital logistics equipment, generated reports on equipment workload and health status evaluation, and provided maintenance suggestions

HIGHLIGHTS
- Visited Malaysia on behalf of Han-Dan Chamber of Commerce as a technical representative to provide technical support and translation services

SOFTWARE ENGINEER   Aug.2016 - May 2019
ZEBRA TECHNOLOGIES, Long Island, US

KEY DUTY
- Customizing and maintaining an Android app to meet the new testing requirements with Android Studio
- Generated an automated reporting system using Ruby script and JIRA REST APIs
- Collaborated with Electrical Engineer and Mechanical Engineer to build automation testing fixtures utilizing Raspberry Pi GPIO and real-time result data visualization dashboard with Ruby on Rails and AngularJS
- Proficient in generating various documentation such as traceability matrix, status reports, and README files

HIGHLIGHTS
- The automation testing fixtures reduce the workload of manual testers by 35%

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
- Github: https://github.com/ChocolateAceCream