Mengyun "Megan" Wang

getnewjob2024@outlook.com | 980-221-5800 | Charlotte, NC | github.com/xiyiji | linkedin.com/in/mengyunwang

Work Experience

Lowe's Companies, Inc   Jul. 2023- Current
Associate Software Engineer (Java/Spring boot/Kafka heavy)   Charlotte, NC
- Independent contributor in the team responsible for store inventory management. We're in charge of defining and improving accuracy in terms of all kinds of inventory tracking data with in-house platform. Contributed to our back-end services for adding new features and integrations built in **Spring boot** with **PostgreSQL**.
- Leveraged existing **microservices** infrastructure design and come up new designs, initiated performance testing and led corresponding development plans, improving/tracking **performance**, fixing issues, solving real problems/defects captured in production, like consolidating and solving duplicates issues, testing by publishing **Kafka** messages, and validating code etc.
- Rollout new features in backend, meticulously documenting and implementing APIs using Java and **Swagger**. Executed detailed SQL **database design** and manage data schema to align with complex project requirements.
- Managed deployment stages using Spinnaker; Built and **deployed** applications as **Docker** images, managed by **Kubernetes**, and monitor performance as well as scale services if needed by using tools like **Grafana**, **Kibana**, and ArgoCD.
- Actively participated in integrating tests and **UAT tests**, involving upstream and downstream teams.
- Demonstrated **Agile** Methodology and SCRUM practices on the daily basis. Foster effective collaboration within a dynamic team, actively participating in regular meetings that facilitate seamless communication.

Ryzlink Corp.   Oct 2022 – Jul 2023
Software Engineer (web-based Backend)   Santa Clara, CA
- Leveraged Spring boot to build and implement **microservices** applications, migrated applications from Java 8 to **11** for better performance and taking advantages of new features; **updated** packages and dependencies to decrease vulnerabilities by using tools Snyk. **Analyzed** projects on metrics level and improved overall code quality, **improving** test-cases coverage.
- Orchestrated the seamless distribution of a scalable **CI/CD configuration** migration process, transitioning from Jenkins to **Gitlab CI** for the entire internal engineering team. Pioneered the integration of an automated CI generation plugin, with comprehensive execution of testing, requirement gathering, and roll-out which led to a remarkable 90% decrease in manual workflow in the CI/CD setup.
- Created **Grafana dashboard** for our team usage by setting up and sending PromQL quries to Prometheus servers.
- Utilized SQL database such as **MySQL** and Hibernate to build highly available and consistent databases. Optimized the searching API responding speed using different approaches, including adopting different **caching** approaches and improving indexing strategy.
- Steered the helm of a cross-departmental project, expertly orchestrating impactful feature meetings. **Automated** company-wide weekly metrics reports which pulling data from all distribution platforms saving hours of labor and added extra value.

Wyze labs, Inc   Apr. 2022 – Oct. 2022
Software Engineer (cloud tech heavy, work closely with hardware team)   Kirkland, WA
- Development and building: Used Spring boot and Spring to build and implement microservices applications. Designed, drafted and implemented Cloud services, as well as tested **RESTful APIs** at application levels.
- Testing and troubleshooting: Debugging, testing and troubleshooting across team using a wide range of tools. By providing robust and consistent **IOT software solutions** based on carefully analyzed results and data, finding root causes or bottlenecks, and improving overall availabilities and scalability, shipped meaningful results.
- DB design and implementation: Designed and configured highly available and efficient databases in **DynamoDB**, to add and support new devices/services for various products.
- SaaS: provisioning both low-level components, such as storage and networking, and high-level components using *Terraform*.
- Performance Improvement: Conducted intensive benchmarks and analysis as well as addressed performance issues and fixes.
- Deployment and monitoring: Deployed applications into Docker images and managed using Kubernetes, continuously monitored by Grafana and **AWS** CloudWatch.

Suzhou Great Wall Technology Development Co., Ltd   Jun 2018 – Aug 2019
Software Engineer (full stack)   Suzhou, China
- Spearheaded the development of an innovative IT management system, leveraging JavaScript and Vue.js for a dynamic frontend, coupled with robust backend solutions using C#, .NET, and Node.js, setting a new standard for efficiency.
- Revolutionized user experience by deploying an **HTML5-based** employee portal, integrating comprehensive functionalities such as check-ins, inquiries, and ticket submissions.
- Led the design and implementation of a pioneering full-stack desktop application for server management. By automating key employee management and onboarding processes, this initiative resulted in a staggering 60% reduction in operations.

Education

Northeastern University | **M.S. in Computer Science** | Sep 2019 – Dec 2021   Seattle, WA
- Courses: Algorithms, Data Structure, Databases, OOP (Java), Distributed Systems, Web Development, Intro to AI, etc.

Nanjing University of Aeronautics and Astronautics | B.S. in Transportation CS minor | Sep 2013 – Jun 2018   Nanjing, China
- Courses: Algorithms, Data Structure, Databases, C/C++, Operating Systems, Computer Networks, Compilation principles.

Technical Skills

Programming languages: JavaScript, Java, SQL, TypeScript, Python, HTML/CSS, Go, C/C++, Scala, NodeJS.
Tools: Git, Postman, AWS, Jenkins, Jira, Gradle, Docker, Kubernetes, Spinnaker, MySQL, Grafana, Kibana, GCP, Kanban.
Frameworks: Hadoop, PostgreSQL, Spring Boot, Hibernate, Kafka, React, Vue.js, JUnit, Mockito, Selenium, TestNG, JMeter.