Tony Jin

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🎓 Education

Boston University (BU), Boston, United States   2021 – 2023
Master of Science in Computer Science (CS), concentrate on network

Shanghai Jiao Tong University (SJTU), Shanghai, China   2014 – 2018
Bachelor of Science in Software Engineering (SE)

⚙ Skills

- Passionate software engineer with rich backgrounds of SRE & DevOps; Member of Kubernetes SIGs
- Infra Stacks: Kubernetes, AWS, Azure, Terraform, Nginx, Gitlab-CI, Azure DevOps
- Monitoring Stacks: Prometheus, Grafana, Thanos, Loki, Jaeger, OpenTelemetry
- Programming Languages: Go, TypeScript, Linux shell
- App Stacks: ReactJS, Express.JS, PostgreSQL

👥 Working Experience

Microsoft | Senior Software Engineer(Contractor), Azure Operator Nexus | Boston, MA Jan 2023 –
Pioneered cloud infrastructure development to support Azure Operator Nexus products

- Enhanced network infrastructure's reliability and efficiency using Kubernetes operators.
- Augmented testing automation via KubeVirt, ensuring stringent validation of Azure product criteria.
- Harmonized Azure DevOps pipelines, bolstering quality assurance and accelerating lifecycle efficiency.
- Stacks: Golang, Kubernetes, Linux Shell, Azure, Azure DevOps

Second Spectrum | Software Engineer, Infra Team | Los Angeles, CA   Feb 2018 – Sep 2021
Oversaw various infrastructure platforms to streamline operations across the company

- Optimized and standardized Infrastructure as Code workflows, ensuring reliable AWS provisioning.
- Enhanced infrastructure performance, simplifying app lifecycle and expediting the deployment process.
- Implemented an advanced telemetry system, offering a rich set of metrics covering 200 applications.
- Streamlined resource allocation through seamless integration of K8s HPA and AWS Cluster Autoscaler.
- Stacks: Golang, TypeScript, Kubernetes, AWS, Terraform, Prometheus, Grafana, Loki

Morgan Stanley | Software Engineer Intern, Fin Tech | Shanghai, China   Jun 2017 – Sep 2017
Developed a Clearing System for the Sydney Futures Exchange (SFE)

- Implemented upstream components in the SFE clearing system, ensuring superior security measures.
- Incorporated a message queue system to securely and flexibly transform and route data.
- Carried out comprehensive unit tests achieving 90% coverage.
- Stacks: Apache Camel, ActiveMQ, Java.

👥 Contribution Experience

The Kubebuilder Community | Repository Reviewer, Contributor, Kubernetes-sigs   Mar 2022 –
Active Maintenance Contributor(Reviewer) within the Kubebuilder Community

- Involved in the design and implementation of new features, enhancements to the codebase, CI/CD improvements, and proposal submissions.
- Regular contributions consist of participating in bi-weekly meetings, reviewing pull requests, engaging in community Q&A, and maintaining up-to-date documentation.
- Achievements: 📄 KubeCon 2023 EU Speaker · 📄 GSoC 2023 Mentor · ▶ GSoC 2022 Mentee ·