Yuanxun Gu

Cloud Native Developer & Devops Engineer

Objective

Experienced Senior DevOps Engineer with a strong background in cloud-native software development, seeking to leverage expertise in innovative cloud services and enabling technologies.

Work Experience

Nov 2021 – Present
Senior DevOps Engineer, *SAP SE*, Munich
- Hands-on experience in LLM fine-tuning and inference (Ludwig, Llama factory, Azure/OpenAI API, Argo workflows)
- Managed Kubernetes clusters via GitOps principles (Helm, Kustomize, ArgoCD)
- Developed Kubernetes operators and integrated cloud-native services with SAP's business technology platform
- System DevOps in automotive network project Catena-X (Golang, ArgoCD, Docker, K8S, GitHub Actions)

Mar 2018 – Oct 2021
Senior Software Developer, *SAP Customer Experience*, Munich
- Backend development (Golang, Node.js, OpenAPI Spec, Docker, K8S)
- Implemented CI/CD pipelines and end-to-end tests
- Conducted API stress tests using Locust framework
- Guided junior developers and served as Scrum Master

Jan 2016 – Feb 2018
System DevOps, *SAP Hybris*, Munich
- Provided consultancy support and technical advice for private cloud platforms
- Built internal tools for DevOps automation (Java, Spring Boot, Bash, MySQL)

Sep 2011 – Dec 2015
Research Engineer, *DOCOMO Communications Laboratories Europe*, Munich
- Researched and developed augmented reality applications and indoor localization technologies
- Developed Android prototypes and customized DASH video players
- Presented demos at major events, such as NTT DOCOMO R&D Open House 2011 in Japan

Education

Jun 2009 – Aug 2011
Master of Engineering in Mobile Computing, *National University of Singapore*, Singapore
- Published two Android games on Google Play Store
- Conducted research in augmented reality and mobile visualization, publishing 6+ conference papers and a book chapter
- Supervised undergraduate dissertations and received multiple awards, including the Splash Award from the Singapore Computer Society

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Sep 2006 – May 2009 **Bachelor of Engineering in Computer Engineering**, *National University of Singapore*, Singapore
- Final year dissertation on P2P multicast traffic theory
- Received Dean's List award in 2006 and 2009

Jul 2003 – Feb 2006 **Diploma of Merit in Mechatronic Engineering**, *Ngee Ann Polytechnic*, Singapore
- Designed and implemented a vision-controlled entertaining robot
- Received multiple awards, including the Innovative Mechanism Design Award and Book Prizes for best performance

Selected Publications

[1] W. Kiess,**Yuan Xun Gu**, S. Thakolsri, M. R. Sama and S. Beker, "SimpleCore: A connectionless, best effort, no- mobility-supporting 5G core architecture," 2016 IEEE International Conference on Communications Workshops (ICC), Kuala Lumpur, 2016, pp. 367-372.

[2] A. Al-Nuaimi, R. Huitl, S. Taifour, S. Sarin, X. Song,**Y.X. Gu**, E. Steinbach, M. Fahrmair (2013), Towards location recognition using range images, 2013 IEEE International Conference on Multimedia and Expo (ICME2013), Workshop on Hot Topics in 3D (Hot3D), San José , USA

[3] Li, N., **Gu, Y.X.**, Chang, L., Duh, H.B.L. (2011). Influences of AR-supported Simulation on Learning Effectiveness in Face-to-face Collaborative Learning for Physics. In the Proceedings of the 11th IEEE International Conference on Advanced Learning Technologies,Athens, GA, USA

[4] **Gu, Y. X.**, Li, N., Chang, L. Duh, H.B.L. (2011). A Collaborative Augmented Reality Networked Platform for Edutainment, In T. Huang, L. Alem. Mobile Collaborative Augmented Reality System: Recent Trends. Springer

[5] **Gu, Y. X.**, Koh, R.K.C, Duh, H.B.L., (2010) Facilitating Learning Interests through Mobile Information Visualization, In Proceedings of the 10th IEEE International Conference on Advanced Learning Technologies, Sousse, Tunisia

[6] Duh, H.B.L., Chu Yew Yee, S. L.,**Gu, Y. X.**, Chen, V.H.H. (2010, July) A Narrative-Driven Design Approach for Casual Games with Children. In Proceedings of the 37th International Conference and Exhibition of Computer Graphics and Interactive Techniques, Los Angelos, USA

Interests

Video Games, Travel, Food

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