He Bao Jing | CICD Engineer | 8 years' experience | Suzhou | baojingh@163.com | +86 18260140861

Education

◆ 2013.09 - 2016.07   Shanghai Institute of Technology   Electronics Engineering   Master
◆ 2009.09 - 2013.07   Changshu Institute of Technology   Electronics & Information Engineering   Bachelor

Skills

◆ Familiar with Linux, Shell, Ansible, etc.   ◆ Familiar with Golang, develop tools to improve efficiency
◆ Familiar with Docker/k8s and application deployment   ◆ Familiar with Python, Flask, MySQL, etc.
◆ Familiar with Gitlab CI/CD, Pipeline optimization

Career and Key Projects

Jan. 2021 to Present, Jul. 2016 to Apr. 2019   **Siemens (China) Co., Ltd.**   **Lead Engineer**

Siemens SINEC Security Guard (https://ssg.siemens.cloud) manages Cybersecurity of your OT assets in the cloud; It comes with preconfigured intrusion detection to detect and visualize network attacks and supports you to define mitigation actions. The system is designed based on multi-tenant and provides SAAS services in the cloud. The German/Hungarian team mainly focus on the design and development of the service side; The Chinese team that consists of 4 people, is responsible for the design and development of the sensor side. Main work of the sensor side includes: integrate sensor application with industry edge; Detect traffic and generate events based on specific rules; Communicate data with the server side; Sensor applications release, etc. Contributions:

◆ Application containerization and integrations with Siemens Industry Edge Platform
◆ Configure and optimize Gitlab CI/CD, reduce pipeline time by about **30%**; reduce artifacts size by about **20%**.
◆ Fix security issues for pipeline and products. Vulnerability fix rate reaches **80%**.
◆ Develop/optimize automatic test cases with Python, reduce test time **from 6h to 3h** now.
◆ Product release, such as OSS Clean, reproducible build etc. Develop **automation tools** to promote efficiency.

Siemens Industrial AI Predictive Analysis Software, combined with vibration mechanism and AI for factory OT assets, predict potential failure risks in advance, support automatic intelligent diagnosis for fault classification. The software collects sensor data in real time and does pre-processing and feature engineering, inputs the feature data to the model, calculates the state of the asset and predicts the potential failure risk. We have 5 teammates. Contributions:

◆ Containerize applications and optimization of Docker images
◆ Design and implement Web backend, optimize API performance
◆ Configure Gitlab CI/CD, optimize pipeline execution and artifacts size
◆ Develop automatic tools with Shell and optimize deployment process

Server System Administration. 10 physical servers, including multiple virtualization nodes and physical application servers. Contributions:

◆ Manage/maintain the physical servers and virtualization cluster with Shell and Ansible
◆ Component upgrade and system security reinforcement

Jun. 2019 to Jan. 2021   Suzhou Yunxuetang Information Technology Co., Ltd.   Software Engineer
The product provides business learning, training for enterprises, including user modules, learning modules, content modules, etc.
Contributions: Develop Web backend modules with Python.

Apr. 2019 to Jun. 2019   Suzhou Raiyi Information Technology Co., Ltd.   Software Engineer
For game promotion, user behavior data is collected from various websites and make precise promotions for potential users.
Contributions: Data ETL with Hive; Analyze potential users based on critical factors.