He Bao Jing | DevOps 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

- Can communicate well with colleagues in English, have been collaborating with German team latest 2 years.
- Familiar with Java, SpringBoot, Mybatis, MySQl, etc., own 4 years' experience in OOP.
- Familiar with Linux, Shell, Docker, Gitlab CI/CD, Pipeline optimization.
- Familiar with cybersecurity terms, concept and vulnerability analysis, management.
- Familiar with SCA, SAST, such as OSS Clean, BlackDuck, VTS, SonarQube, Gitleaks, Trivy, MEND, etc.
- Familiar with Python, Golang and develop tools, such as Automation Test, Reproducible Build.

Career and Key Projects

Jan. 2021 to Sep. 2024, 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 team focus on design and development of service side; The Chinese team focus on design and development of sensor side and integrate sensor application with Siemens Industry Edge Platform.

Contributions:

- Application containerization with Docker 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%**.
- Integrate SCA, SAST in Pipeline and fix security issues in product. Vulnerability fix rate reaches **80%**.
- Develop/optimize automatic test cases with Python, reduce test time **from 6h to 3h** now.
- Release product, such as OSS Clean, Reproducible Build etc. Develop **automation tools** to promote efficiency.

Siemens Industrial AI Predictive Analysis Software, combined with AI for factory OT assets, predict potential failure risks in advance. 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.

Contributions:

- Containerize applications and optimization of Docker images.
- Design and implement Web backend with SpringBoot, Mybatis, MySQL, optimize API performance and security.
- Configure Gitlab CI/CD, optimize pipeline. Integrate with SAST to harden product security.
- Develop automatic tools with Shell and optimize deployment process.
- Maintain the service and analyze, troubleshoot issues for users.

Server System Administration. Manage 10 servers, including virtualization nodes and application servers with Ansible, Shell.

Contributions: Permission management, component security hardening, application configuration, backup and restoration.

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.