He Bao Jing | DevOps Engineer | Male | 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, Redis 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, Ansible and develop tools, such as Automation Test, Reproducible Build.

Career and Key Projects

Jan. 2021 to Sep. 2024 **Suzhou Branch, Siemens (China) Co., Ltd.** **Lead Engineer**

Siemens SINEC Security Guard (https://ssg.siemens.cloud) manages cybersecurity of assets in the cloud; It comes with preconfigured intrusion detection to detect and visualize network attacks and supports to define mitigation actions. System is designed based on multi-tenant and provides SAAS services in the cloud. German team focus on design and development of service side; Chinese team focus on design and development of sensor side and integrate sensor application with Siemens Industry Edge.

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 (v2.0), have more features based on v1.0, including device management, model management, enhanced data processing and enhanced Web UI. Mainly focuses on system scalability and stability.

Contributions:

- Containerize applications and optimization of Docker images.
- Design architect and implement Web backend with SpringBoot, Mybatis, MySQL, Redis, etc.
- 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.

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: Develop Web backend modules with Python.

Jul. 2016 to Apr. 2019 **Suzhou Branch, Siemens (China) Co., Ltd.** **Associate Engineer**

Siemens Industrial AI Predictive Analysis Software (v1.0), combined with Machine Learning model, the system predicts potential failure risks for factory motors in advance. It includes data processing, Machine Learning models, web UI, etc.

Contributions:

- Design and implement Web backend with SpringBoot, Mybatis, MySQL.
- Configure Gitlab CI/CD, containerize applications with Docker.
- Maintain the service, troubleshoot and fix 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, etc.