# Siwei (Wey) Gu

Developer Advocate

## About me

Working on Open Source @Vesoft Inc. from April. 2021, ex-Ericsson Cloud

I grew up in China (Mandarin) and had worked globally for remote and onsite (English).

## Skills

Graph Database | Python | OpenStack | Cloud

## Contact


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wey-gu


## Experience

### Developer Advocate

Vesoft Inc.

From Apr. 2021, I will help Developers and Customers succeed in Nebula Graph Community.

### System Manager, Sr. System Engineer, Sr. SW Engineer

Ericsson, PDU Cloud

Aug. 2018 - Mar. 2021

Analyze the requirements, pain points, and potential needs in evolving the network function and its infrastructure with appropriate (new) technologies. Evaluate new technologies by studying and hands-on experimenting to help build/ evolve Ericsson Cloud Execution Envriroment(CEE). Advocate CEE in China Telco. Market.

### Cloud Engineer, Telco. Core Network Engineer

Ericsson, SDU China

Sept. 2011 - Aug. 2018

Tier 3 Support/Troubleshoot on OpenStack. Tool/DevOps Developer. Integration, verification and automation on(CS 3G Core), Tool Developer.

## Education

### Bachelor of Mathematics

September 2007 - June 2011

Majored in Math & Applied Math, Dalian University of Technology.

## Projects

### Nebula Graph

RAFT, RocksDB, C++

Opensource Graph Database built for hyperscale data and globally distributed deployment with ultra low latency, initiated by Vesoft Inc. I help developers in community succeed.

### CEE

OpenStack, DPDK, OpenVSwitch, KVM, SR-IOV

Ericsson's IaaS offering, Ericsson Cloud Execution Environment is running commercially at more than 145 operators to provide efficient operations and optimized performance for their VNFs while securing an always-available cloud and NFV infrastructure. I do troubleshoot, requirement/opportunity study, System and Feature Design and Development as CEE 10 Core team and Product System Management Team member.

### Cloud ML-ResourceOpt

Bayesian Optimization, Heat, Ansible

Side Project, a PoC on using ML(BO) to help optimize given benchmark and OpenStack environment. It is aiming to output a toolchain and methodology on optimizing the OpenStack System, where, in the PoC, the scenario is the resource placement weighing policy. This PoC leveraged statistical auto-ML method and DevOps tooling to decouple Telco. domain expertise, reduce expensive experiment epochs in orders of magnitude to enable 10+% perf. improvement in 48 hours of auto learning.