Yukang Chen

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Experience

Staff Rust Software Engineer   **Since Mar 2023**
Cryptape   *Work from home, China*

- Blockchain development, working on core component of a blockchain system with Rust
- Optimize the transaction memory pool with multi_index_map, optimize verification performance and with worker pool
- Work on RPC modules and infra tools

Senior Software Engineer   **Since Oct 2020 - Mar 2023**
Microsoft   *Suzhou, China*

- SharePoint Infrastructure, fleet management for servers in global, distributed system
- Hardware deployment validation, code refactor on SharePoint infrastructure deployment
- Work on optimization, deployment automatation and teardown flow on Azure

Senior Software Engineer   **Jue 2014 - Sep 2020**
DJI - Dajiang Innovation   *Shenzhen, China*

- Led a team to build security training and practice system based on open-source projects, Rails, and docker
- Built security infrastructure and implemented code security scanner based on Gitlab CI and docker, simplified the flow of code security scanning
- API Gateway based on KONG, deployed API gateways based on the open-source project Kong as unified traffic access layer
- New product launch of online Store, store.dji.com infrastructure and cache system design and implementation

Senior Software Engineer   **Since July 2011 - Mar 2014**
NextOp   *Shanghai, China*

- Worked on simulation data storage and reading optimization, mostly involved C/C++ software performance tuning
- Introduced Git and Rails to the team and developed testing tools in Python

Projects

- Active contributor of Rust compiler with 100+ PRs, Rust Foundation 2023 Grant Program and 2023 Fellows
- Maintainer of Rust container runtime Youki, Dapr with WebAssembly dapr-wasmedge
- Contributed to WebAssembly runtime wasmer.io
- PandaOS Unix-like kernel, file system, process scheduling, memory management, interrupts, and system calls, a simple Shell
- gorazor render templater which generates a Go program to output HTML

Education

BSc. Information Security   **Sep 2004 - Jul 2008**
University of Electronic Science and Technology, Computer science   *Chengdu, China*

MSc. Computational Intelligence   **Sep 2008 - Jul 2011**
University of Electronic Science and Technology, Computer science   *Chengdu, China*

Skills

Technologies

Rust | C/C++ | Ruby | Python | Linux | Docker

Languages

Chinese | English