WILLIAM CHEN
SOFTWARE ENGINEER

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HELLO

I love to solve interesting problems! Currently working on new features in PowerStore - Dell EMC's fastest growing next-gen midrange array in history.

CODE

Fluent:
Java
Python
C++
SQL
Shell scripting

Familiar:
Go
Rust
JavaScript (React)

TOOLS + PROCESSES

Vert.x/ReactiveX
JUnit, Maven, Gradle
PostgreSQL, jOOQ
Linux
Low-level Networking
Storage (iSCSI, NVMeOF, NFS, CIFS)
Containers (Docker, Kubernetes, LXC, cgroups)
Git, CI/CD, Jenkins
Cloud (AWS S3, EC2, CloudFront)
Agile/SAFe

PERSONAL

Age // 25 years
Nationality // American (born)

LANGUAGE

English // Native
Mandarin Chinese // Native (Verbal)
German // Conversational
Spanish // Conversational

EXPERIENCE

May 2018 - Present

Software Engineer 2
DELL EMC

RESPONSIBILITIES:

- Implement core business logic for Dell EMC PowerStore's Data Protection REST API: snapshots + replication. Product code, unit test, code review, test automation, some GUI development.
- Design and review system-level proposals with lead architects. Interact frequently with key stakeholders across the stack and with product management.
- Cross-functional SME and point of contact for branch conflict resolution, build failures, and smoke testing regressions.
- Debug across all components of product in depth, drive defects to timely resolution, including those outside of subject domain.

May 2017 - Aug 2017

Software Engineering Intern
DELL EMC

RESPONSIBILITIES:

- Developed and reviewed functional test code (pytest) for PowerStore's local protection capabilities.
- Architected and prototyped an automated build and test harness using Jenkins to simplify and reduce human error for developers' live deployment and testing process. Currently maintained by myself today, now running on Kubernetes.

EDUCATION

Sep 2014 - May 2018

BOSTON UNIVERSITY
B.S. Computer Engineering

HIGHLIGHTS:

- applied algorithms and data structures, operating systems, cybersecurity, computer architecture, networking
- 5 months in Technische Universität Dresden, 2016 (study abroad)

AWARD

10x Inspire Recognitions

"Proactively reduces tech debt in code"
"One step ahead in identifying and fixing further blocking issues"
"Versatility and willingness to quickly ramp up and work in unfamiliar technical domains/silos"

INTERESTS

enterprise software // system architecture // devops // distributed systems