

Eduardo Muñoz

edmunoz1030@gmail.com | +1 415-574-9674

[github](#) | [linkedin](#)

SUMMARY

Junior Software Engineer (**B.S. CS**) with strong **C/C++** and **TypeScript** fundamentals from OS and systems projects. I build small, testable components, write clear docs/runbooks, and use logs/telemetry to debug and improve reliability. Comfortable across **Linux**, containers, **SQL** (MySQL/MariaDB/SQLite), and basic cloud (**AWS EC2**). I move fast, collaborate well, and iterate with data.

SKILLS

Languages	C/C++ TypeScript/JavaScript Bash Python (lab)
Backend & Data	REST/JSON SQL (MySQL/MariaDB, SQLite) schema design Postman
Systems/DevOps	Linux Docker/Compose Git/GitHub GitHub Actions NGINX TLS/Certbot
Testing & Quality	unit tests reproducible builds (make) logs/telemetry runbooks code reviews
Frontend (foundational)	React + TypeScript basic HTML/CSS
Cloud	AWS EC2 (basic) containers CI/CD

EXPERIENCE

Reed Union School District

May 2021 – Aug 2023

IT Assistant | Site Operations & Tier II Support

Belvedere-Tiburon, CA

- Closed **25–40 tickets/week** across Windows/macOS/iOS; wrote concise SOPs so fixes were repeatable and auditable.
- Troubleshoot complex issues (auth/sign-in, sync, printing, A/V) and captured **clear logs, repro steps, and times-tamps** to speed root cause analysis.
- Introduced **QR-based inventory checks** that improved asset accuracy and reduced audit time.

All About Parking (Valet Services)

Aug 2023 – Present

Valet Attendant | High-Volume Customer Ops

San Francisco, CA

- Fast execution, de-escalation, and precise shift close procedures—habits I carry into engineering ownership and live-site mindsets.

PROJECTS

Unix-like Shell

June, 2025

C | POSIX | Linux (VMware Ubuntu) | gcc/make

San Francisco, CA

- Implemented tokenization and pipelines with `fork/exec/wait` and pipes; robust error handling and clear exit codes.
- Added simple regression tests and reproducible build/run instructions; verified edge cases.

Multithreaded Fixed-Record Processor

June, 2025

C | pthreads/mutexes | shared memory discipline

San Francisco, CA

- Designed a threaded worker pipeline with careful synchronization to avoid races and deadlocks; measured behavior under contention.

File System Components

July, 2025

C | on-disk layout | bitmap free space

San Francisco, CA

- Implemented directory traversal, bitmap-based free-space tracking, and root initialization on a course FS; validated with hexdump.

Homelab & Service Hardening — eduardoemunoz.com

March, 2025 – Present

Linux | Docker/Compose | NGINX/Apache | MariaDB/MySQL

San Francisco, CA

- Containerized web+DB stack with TLS (Certbot), firewalling, log rotation, and basic monitoring/alerts; documented **backup & test-restore** runbooks.
- Used logs/metrics to triage outages and write short postmortems—focus on reliability and fast recovery.

EDUCATION

Bachelor of Science — Computer Science

Aug 2022 – May 2025

San Francisco State University

San Francisco, CA

- Selected: Data Structures & Algorithms | Operating Systems | Computer Networks | Systems Programming | Databases.

CERTIFICATIONS

- Cloud DevOps certification — *in progress (target: Fall 2025)*.