Technical Skills

Experience

- Backend & API: Go (Chi), Python (FastAPI, Django), Kotlin, ASP.NET Core, RESTful API Design, WebSockets
- DevOps & Infra: Docker (Engine API, Files, Networking), Infrastructure as Code (IaC - SaltStack, Go CLI), Continuous Integration/Continuous Deployment (CI/CD - GitHub Actions), Cloudflare (R2, Pages), Linux Server Provisioning/Management, Nginx
- Databases & Cache: PostgreSQL (High Availability (HA),

PgBouncer), MongoDB, Redis (DragonflyDB), SQLite

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- Monitoring: Prometheus, Grafana, Loki, cAdvisor, Node Exporter, Uptime Kuma, OpenTelemetry (OTEL conceptual)
- **Tools**: Git, Shell Scripting, S3-compatible Storage, Secrets Management (1Password CLI), HTTP Live Streaming (HLS)/FFMPEG, Plane.dev, Vagrant
- Frontend (Supporting): TypeScript, React, TailwindCSS, Zustand, TanStack Router/Query

Boyner Büyük Mağazacılık	June 2024 – Aug 2024
Backend Engineer Intern - ASP.NET	Istanbul, TR
- Contributed to backend development for large-scale e-commerce platform using ASP.NET Core during internship	
ElephantApps	Mar 2023 – Jan 2024
Backend Engineer - Python / FastAPI	Istanbul, TR
 Led backend development for real-time vehicle auction system using Python (FastAPI), MongoDB, Celery, Rabbi Implemented and managed AWS CloudWatch/X-Ray/OTEL monitoring stack for application performance monit 	-
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VisitRise Data Engineer (Contract) - Go	Feb 2023 – Mar 2023 <i>Remote</i>
 Developed Go-based data processing pipelines and utilities in a short-term contract role. 	nemote
Projects	
Oblivion - Personal DevOps Toolkit	() GitHub
- Developed Go CLI (Cobra, Viper) for personal Infrastructure as Code (IaC) and declarative server provisioning.	
– Provisions Docker services via TOML configuration (HA PostgreSQL, Nginx, Redis, Monitoring Stack).	
- Automates Docker resource management (image pulling, network/volume creation) using Docker Engine API.	
- Implements service health checks and dependency management during provisioning sequence.	
- Integrates 1Password CLI for secure secrets injection during automated deployments and service configuration.	
– Manages monitoring stack deployment (Prometheus, Grafana, Loki); includes 'wal-g' S3 backup helpers (Cloudfla	re R2).
Code Playground (code.cansu.dev)	$\bigcirc \underline{\text{GitHub}} \bigodot \underline{\text{Link}}$
- Built full-stack code execution platform (Go/Chi backend, React/TypeScript frontend)	
– Backend dynamically manages container lifecycle (create, start, attach, wait, remove) via Docker Engine API.	
- Engineered secure, sandboxed multi-language runtimes in per-submission Docker containers with resource limits.	
- Implemented container resource monitoring (CPU/Memory history, I/O stats) using cgroups v2 filesystem API.	
- Integrated WebSockets (Melody) for real-time collaboration features (WIP).	
- Implemented rate limiting (ulule/limiter with Redis) for API endpoints to prevent abuse.	1. DI I
- Deployed and managed supporting infrastructure: Monitoring (Prometheus/Grafana/Loki), HA PostgreSQL, Rec	
Strafe - Music Library Engine (dj.cansu.dev) - Created Go backend (Chi) and CLI (Cobra) for processing/serving music library with vocal/instrumental separat	$\bigcirc \underline{\text{GitHub}} \textcircled{O} \underline{\text{Link}}$
 Designed audio processing pipeline leveraging Docker, FFMPEG, 'audio-separator', 'audiowaveform' for HLS street 	
 Manages database schema/queries using 'sqlc' and embedded 'Goose' migrations for PostgreSQL. 	aming/metadata.
 Stores metadata/compressed waveforms (zlib) in PostgreSQL; serves audio/art from Cloudflare R2 via REST AP 	'T
- Managed S3 object uploads, structured paths, and retrieval logic for audio segments and cover art.	1.
Halycon - Amazon SP-API CLI Utility	O GitHub
- Developed Go (Cobra) CLI for automating Amazon Selling Partner API tasks (Catalog, FBA, Listings); handles	
- Utilized 'oapi-codegen' for generating type-safe Go client code from official SP-API OpenAPI specifications.	, 0
Automated Server Setup (SaltStack/Vagrant)	O <u>GitHub</u>
- Automated multi-machine (WordPress/CentOS, MySQL/Ubuntu) server provisioning and configuration using Sa	
– Managed VM creation, private networking, and Salt Minion bootstrapping across different OSes using Vagrant.	
- Utilized SaltStack Pillar for managing environment-specific data and credentials securely.	
– Configured system services (MySQL, Nginx, PHP-FPM), users, firewall rules, and cron jobs using Salt states.	
 Leveraged Salt Grains to apply OS-specific package installations and configurations conditionally. 	

Education