

Profile

Mid Full Stack Developer | Forward Deployed Engineer building B2B and B2C products and IoT solutions with React/Next.js, Go and Python. Experienced in multi-tenant systems, API integrations and AWS. I turn business requirements into solutions, make independent technical decisions, and work directly with clients and teams.

Technical skills

Frontend: JavaScript, TypeScript, React, Next.js, Vite, Tailwind CSS, TanStack Query, Zustand, shadcn/ui, Zod

Backend: Go (Fiber, Echo), Python (Django, Django REST Framework, FastAPI, Celery, Channels), Node.js (Express)

Software architecture: Clean Architecture, Modular Monolith, Microservices Architecture,DDD

APIs and protocols: RESTful APIs, gRPC, Protocol Buffers (Protobuf), WebSocket, MQTT, OSDP, Modbus, RTSP

Databases and data access: PostgreSQL, SQLite, Redis (cache), Prisma ORM, pgx, golang-migrate, Supabase

Identity and security: JWT, OAuth 2.0, OTP, RBAC, multi-tenant data isolation, HMAC/AES-GCM, 3D Secure

Cloud and storage: AWS (EC2, ECS, Lambda, API Gateway, EventBridge, SNS, IoT Core, DynamoDB, Timestream, S3, RDS, CloudFront, Cognito), MinIO

DevOps, IaC and CI/CD: Docker (Buildx), Kubernetes, Helm, AWS SAM, CloudFormation, Terraform, GitHub Actions, GHCR, Cosign, Linux, Nginx, Traefik, Loki, Prometheus, Grafana

Mobile and desktop: Dart (Flutter, flutter_bloc, Dio, GoRouter, Local Auth), Go (Wails, Win32 API)

Testing and quality: pytest, Go and Flutter tests (testify), govulncheck, regression testing, Playwright (E2E), Vitest, Ruff, cfn-lint

Professional experience

Gesk Technologies

August 2023 - Present

Full Stack Developer | Forward Deployed Engineer

- Built corporate B2B and B2C web applications using React/TypeScript and Python/Django with multi-tenant data isolation, RBAC and customized workflows; developed a high-performance FastAPI adapter service bridging enterprise SOAP APIs to modern REST architecture.
- Developed cloud and IoT solutions on AWS; built real-time device management, fleet provisioning, telemetry dashboards and remote firmware update (FOTA/OTA) workflows using AWS IoT Core/MQTT, Lambda and API Gateway, collecting telemetry and event logs via DynamoDB, SNS and Timestream.
- Defined critical cloud resources as code (IaC) using AWS SAM, CloudFormation and Terraform for ECS, EC2, RDS (PostgreSQL), ElastiCache (Redis), CloudFront and EventBridge; managed automated provisioning across dev, staging and production environments.
- Built end-to-end GitHub Actions CI/CD pipelines including automated tests (pytest), linting (Ruff) and CloudFormation validation (cfn-lint); published multi-arch Docker images to GHCR using Buildx, and implemented secretless, immutable digest-pinned ECS releases and rollback workflows via AWS OIDC.
- Migrated and orchestrated Django, Celery, React, PostgreSQL and Redis services on Kubernetes; configured Deployments, StatefulSets and ConfigMaps, alongside Traefik IngressRoutes, MetalLB and Prometheus/Grafana metric monitoring.
- Optimized background jobs, task scheduling and queue management with Celery; refined complex PostgreSQL queries and data models to boost system reliability and throughput.
- Met directly with clients to analyse business requirements and technical challenges, designing architectural solutions and establishing development scopes and priorities.
- Coordinated sprint planning and delivery with project managers in Agile workflows; managed high-availability application deployments on AWS using Docker, Nginx and Traefik.

Perge Textile

2016 | Two-month summer internship

IT Intern

- Supported factory-network maintenance, connectivity troubleshooting and basic IT support for users.

Independent projects

SafePass24

safepass24.com

Access control and parent monitoring system

Go (Fiber, CGO/libosdp), Next.js, TypeScript, Flutter, PostgreSQL, Redis, SQLite, MQTT, Modbus, MinIO, Docker, Nginx

- Translated client needs into edge-controller requirements for readers, RS-485, relays, cameras and Linux runtime; developed controller software matched to the hardware.
- Integrated OSDP/RS-485 readers through Go/CGO and libosdp, and turnstile relays through Modbus; built event-linked camera snapshots using ONVIF/ISAPI and RTSP/FFmpeg.
- Implemented SQLite authorization-cache fallback, a persistent outbox and retry mechanisms for offline access decisions and event synchronization after reconnection.
- Worked on HMAC hashing for card UIDs, AES-GCM encryption for local camera images and device-scoped communication controls.
- Built a modular Go/Fiber backend with multi-tenant data isolation and JWT/OTP flows; developed APIs for Next.js/Flutter clients, device commissioning and MQTT configuration sync.
- Configured GitHub Actions CI for Go tests, race detection and govulncheck; published images to GHCR and signed them with Cosign.

Rovli Coffee

rovlicoffee.com

Ordering, loyalty and wallet application

Go (Fiber, pgx), Dart (Flutter, flutter_bloc), PostgreSQL, Redis, S3, VakıfBank 3D Secure, Simpra POS

- Built ordering, wallet and loyalty flows across a modular Go/Fiber backend and Flutter client, separating domain, application, infrastructure and transport layers.
- Integrated VakıfBank virtual POS for order payments and wallet top-ups, implementing 3D Secure enrollment, callback-hash verification and payment authorization.
- Integrated Simpra POS menu/variant mapping, check creation and loyalty discounts; wrote Go regression tests for provider errors and matching cases.
- Used PostgreSQL transactions, row locking and idempotency for payments and wallets; developed timeout handling, cancellation/refund compensation and retry workers.

Mezuniyet Yıllığım

Digital school yearbook | Initial version: 2025

Next.js, TypeScript, Go (Fiber), PostgreSQL, Redis, MinIO, Docker Compose

- Built school/class/yearbook structures, student pages and comment moderation, with role-based contribution and approval permissions for agencies, teachers and students.
- Migrated the initial Supabase version to a Go backend shared with Anı Kutusu, separating product modules while sharing OTP/JWT authentication and private media infrastructure.
- Built CSV/XLSX school imports and ZIP exports of yearbook content and MinIO media; scoped data access by agency and role.

Anı Kutusu

Event-photo platform | Initial version: 2025

Next.js, TypeScript, Go (Fiber), PostgreSQL, Redis, MinIO, Docker Compose

- Built event and gallery management with QR-linked guest media uploads, using event tokens to scope access.
- Implemented upload intents, direct uploads to private MinIO through presigned URLs and completion validation; added file-type/size and media-ownership checks.
- Implemented OTP/JWT sessions and authorized media access on the backend shared with Mezuniyet Yıllığım; developed cleanup of expired upload intents and orphan objects.

Favorite Open-Source Projects

GitHub stars (checked on): 2026-10-08

eAuction

17 stars | [GitHub](#)

Real-time auction application | 2023

Django REST Framework, Django Channels, React, Redux, Redis, Celery

- Built product-listing, bidding and user workflows across a Django REST Framework API and React/Redux client, with OAuth 2.0 authentication integration.
- Built auction-scoped WebSocket broadcasts with Django Channels/Redis, updating bid amounts, bid counts and closing times live in the client.
- Developed Celery tasks for closing reminders, winner/loser notifications and order creation when auctions end.

go-gavel

4 stars | [GitHub](#)

Evolution of eAuction towards enterprise architecture | Developed in my spare time

Go, gRPC, Protobuf, PostgreSQL/pgx, Redis, JWT, Docker

- Reworking eAuction towards enterprise architecture in a Go microservices monorepo, separating domain, use-case and repository boundaries with Clean Architecture.
- Developed Protobuf service contracts and a gRPC user-registration service with validation, bcrypt password hashing and a PostgreSQL/pgx user repository.
- Developed JWT access/refresh token and Redis blacklist/TTL components; worked on Docker builds for the auth service. Continuing development in my spare time.

Task Bar Trade Center

25 stars | [GitHub](#)

Windows desktop utility | 2026

Go, Wails, React, TypeScript, Win32

- Built a Windows desktop tool with Go/Wails and React/TypeScript, connecting Win32 process-memory reads to inventory views and an in-game price overlay.
- Built request queuing, adaptive rate limiting, HTTP 429 backoff and caching for Steam Market data, managing country/currency-specific price scopes.
- Implemented global hotkeys, system-tray integration and Windows notifications; wrote Go tests for overlay placement, price parsing and inventory resolution.

URL to Training Data

2 stars | [GitHub](#)

Python data preparation | 2025

Python, Gemini API, Hugging Face tokenizer, JSONL, Docker

- Worked on a web-scraping, cleaning and token/heading-aware chunking pipeline with Hugging Face tokenizers, preserving context when splitting long tables and lists.
- Developed Gemini API generation of JSONL dialogue data with source/heading metadata, retry handling for failed generation and batch-processing workflows.
- Added a CPT raw-data mode that bypasses LLM calls; configured processed-URL tracking and repeatable data preparation with Docker/Compose.

Education

Anadolu University: Computer Programming | 2023 - 2025

Kırklareli University: Graphic Design | 2017 - 2020

Lüleburgaz Vocational and Technical Anatolian High School: Web Programming | 2013 - 2017

Languages

Turkish: native | English: B2

Courses

Application Development with Python

January 2023 - July 2023

[BilgeAdam Akademi](#)

Advanced Python Programming From Zero

December 2022 - February 2023

[BTK Akademi](#)

Web Development with Django

October 2022 - December 2022

[Patika.DEV](#)

Certificates

BilgeAdam Akademi - Python | Level 3 | [Certificate](#)

Patika.DEV - Django | Level 2 | [Certificate](#)

Patika.DEV - Django | Level 1 | [Certificate](#)

BTK Akademi - Python | Level 3 | [Certificate](#)

HackerRank - Python | Level 1 | [Certificate](#)

References

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