

Andrei Bogdan Caliman

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EDUCATION

BS Computer Science

Polytechnic University of Timisoara, Timisoara, RO

Sep 2018 - Jun 2022

WORK EXPERIENCE

Fullstack Developer

Atos

Feb 2021 - April 2023

- Developed and maintained scalable and responsive web applications using a full stack of technologies, including front-end and back-end frameworks.
- Designed and implemented RESTful APIs to enable seamless communication between the front-end and back-end components of the application
- Collaborated with cross-functional teams, including UX/UI designers and product managers, to understand project requirements and deliver high-quality software solutions.
- Developed automation scripts in Python 3 and Bash to manage ATM synchronization, inventory tracking, and DNS resolution.
- Containerized backend services using Docker to ensure consistent development and production environments.

Fullstack Developer

Eviden

April 2023 - Jun 2025

- Designed and integrated RESTful APIs using Go and PocketBase, facilitating secure media upload and retrieval workflows
- Implemented and managed continuous integration and continuous deployment (CI/CD) pipelines to automate the build, test, and deployment processes.
- Integrated Stripe for payment processing, enabling event monetization features.
- Actively monitored and optimized cloud infrastructure performance and costs.
- Managed static asset storage using Amazon S3, and deployed frontend to Cloudflare Pages and backend on Oracle VM.
- Contributed to backup and disaster recovery strategy planning and implementation.
- Developed scalable backend services using the Hono framework and implemented authentication flows with Better-Auth and Brevo Mailer, following a Hexagonal, feature-first vertical architecture.
- Designed and built a retrieval-augmented generation (RAG) system using GPT-3.5-Turbo for intelligent content retrieval and generation.

SKILLS

Programming Languages	Go, JavaScript, Python3, TypeScript, Bash
Frontend	React.js, Astro.js, Next.js
Backend	Gin, Pocketbase, Fastapi, Hono
DevOps	Git, CI/CD, Docker, Infrastructure as Code (IaC)
Database	SQL (sqlite, PostgreSQL, MySQL, MariaDB), NOSQL(MongoDb), Vector (LanceDB)

PROJECTS

WediScan Frontend: Astro, React, TypeScript, ShadCN UI, Backend: Go, PocketBase, Cloud Storage: Amazon S3, Hosting: Cloudflare (frontend), Oracle VM (backend), Automation: CI/CD pipelines, Payments: Stripe <https://wediscan.com>

WediScan is a platform developed for easy event media management. Users can create events, upload images, videos, and messages through a simple and responsive interface. Each event has a unique QR code for quick uploads, while a dynamic photo wall displays

the media in a slideshow. Admins can easily download all uploaded content. The platform is designed to be user-friendly, ensuring a smooth experience across all devices.

Intelligent Event Management System *Backend: Go (Golang), Gin framework for API development, Database: AlloyDB, PostgreSQL, Cloud Services: Google Cloud Platform (GCP), DevOps: Docker for containerization, Git for version control, CI/CD pipelines for automated deployments*

Developed an Intelligent Event Management System focused on enhancing event coordination and issue resolution. The platform utilizes advanced event correlation through EventArc and integrates GPT for intelligent problem-solving assistance. This system streamlines communication, coordination, and issue resolution during various events and activities.

ATM Deployment Synchronization and Device Inventory Management *Python3, Bash, MariaDB, Ansible*

Developed a robust system for an Austrian bank to synchronize the deployment of ATMs and manage device inventory. Utilized Python3, Bash scripting, MariaDB for data storage, Linux for server infrastructure, Ansible for automation, and created a queue system to streamline the synchronization process.

AI Support Chatbot *Next.js, React TS, ShadcnUI, FastAPI, LanceDB, OpenAI*

A smart IT support chatbot assistant designed to help internal teams quickly resolve issues by referencing previously documented and resolved tickets. Using Retrieval-Augmented Generation (RAG), the system searches a vectorized knowledge base of past support tickets and documentation to provide contextual answers via a natural chatbot interface. The backend, built with FastAPI, uses LanceDB for embedding storage and retrieval, combined with OpenAI's text-embedding-ada-002 and ChatGPT 3.5 Turbo for accurate and helpful responses.

Formskip - Ongoing *Hono, TypeScript, Bun, Better-Auth, Brevo API, Cloudflare*

Formskip is a personal project inspired by Formspree, designed to simplify form submissions for developers. It enables users to collect and manage form data without maintaining a backend. Implemented secure authentication and mailing features using Better-Auth and Brevo, and built the backend with Hono running on Bun for fast, modern server-side performance.