

George Bogdan Paun

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WORK EXPERIENCE

 **BERTRANDT** – BUCHAREST, ROMANIA
SOFTWARE DEVELOPER – 21/02/2022 – CURRENT

- Collaborated with my team to design and implement back-end services using Python, Polars, Dask and Flask; optimized data processing and improved performance.
- Co-designed user-centric interfaces in Figma, conducted usability tests and incorporated feedback to reduce design iterations and align with user requirements.
- Migrated some internal analytical tools from MATLAB to Python, significantly improving runtime and maintainability through modular coding practices.
- Built and documented RESTful APIs in Flask to integrate backend logic with Angular applications, ensuring robust data exchange and scalable architecture.
- Automated processing of vehicle data in Excel using Python, exporting to Creta-compatible formats and reducing manual data preparation time.
- Designed and executed comprehensive API test suites in Postman and coordinated sprint tasks in Jira, ensuring timely delivery of features in an Agile workflow.

EDUCATION AND TRAINING

09/2017 – 06/2021 Bucharest, Romania
ENGINEER IN INDUSTRIAL INFORMATICS Polytechnic University of Bucharest

Website <https://upb.ro/en/faculties/the-faculty-of-power-engineering/> | Level in EQF EQF level 6

LANGUAGE SKILLS

Mother tongue(s): **ROMANIAN**
Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B1	B1	B1	B1	B1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

SKILLS

Programming & Tools

MATLAB | Python | Flask | Polars | Supabase | React.js | Git | TypeScript

Frontend & UI

TailwindCSS | Figma | MUI

PROJECTS

Personal webiste

Portfolio Website (React + MUI & Tailwind)

- My very first personal site built with React, Material UI and Tailwind.
- Focused heavily on performance optimization and full responsiveness across both mobile and desktop.
- Multilingual support: implemented both English and Romanian versions.
- Theme toggle: built light and dark themes for better user experience.

Link <https://personal-website-seven-ivory-96.vercel.app/>

Dental Clinic Template

- A site template designed for a dental clinic, built in Romanian.
- Prioritized performance from first paint to interactivity with fast load times.
- Ensured high responsiveness on all devices

Link <https://dental-website-woad.vercel.app/>

CURRENT

Student GPA Dashboard (Next.js + Supabase)

- Full-stack Next.js platform for students to calculate, track, and compare GPAs.
- Includes secure login/authentication with Supabase.
- Dashboard showing grade history and anonymous comparisons with other users. (in progress)
- Tech stack: Next.js, Supabase, Tailwind CSS, interactive charting.

Link <https://grade-calc-nextjs.vercel.app/>

Barber Shop Template (Next.js + TypeScript + Tailwind CSS)

- Developed a full-stack barber shop website template with a complete appointment booking system and an admin dashboard
- Implemented real-time availability and Google Calendar integration; automated email confirmations and reminders are sent for each booking
- Mobile-first responsive design and multi-language support (English/Romanian) using Tailwind CSS
- Backend uses PostgreSQL with Prisma ORM for data storage and management
- Implemented secure admin authentication using JWT
- Tech stack: Next.js 15, React 19, TypeScript, Tailwind CSS, Prisma ORM, JWT authentication

Link <https://barber-shop-template-two.vercel.app/>