Ľubomír Genráth

Full stack developer

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Profile

As I was a child, I loved solving logical puzzles, math and sci-fi. During my teenage years, I was a professionalXC skier. After graduation of a grammar school, I decided to study IT at Technical University of Kosice. In thecourse of summer break of the first year of the college, I participated in Work and Travel program in the US as alifeguard for four months. After getting my bachelor's degree, I started working as a full-stack web developer. In the spring of 2023, I successfully graduated with a master's degree. At present, I am a contractor web developer at Esten.

Education

Master's degree, *Technical University of Kosice*   2021 – 2023
Information Technology   Kosice, Slovakia

Bachelor's degree, *Technical University of Kosice*   2018 – 2021
Information Technology   Kosice, Slovakia

Languages

Slovak

English

German

Skills

Python
Django, Flask

Machine Learning
Scikit-learn, Pytorch, Pandas, Matplotlib

TypeScript
React, React Native, NextJS, Angular

C#
.Net

Golang

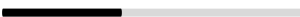**Graphic Visualisation of the User Interface**
Tailwind, CSS, Bootstrap

Cloud Services and System Architecture
Microsoft Azure, AWS

Databases
PostgreSQL, MongoDB, CosmosDB, MSSQL

Other
Docker, Serverless, CircleCi

Professional Experience

Esten, *.Net and Angular developer*   05/2023 – present

Remaster Solutions, *Django and React developer*   10/2021 – 04/2023

Projects

eBoard, *Full stack developer*   05/2023 – present
Web interface integrating various systems into one application displayed on a large
touch screen. It digitizes processes and simplifies the work of operators and
managers directly in production. It collects and concentrates data that has been lost
until now and provides analytical outputs on it, which serves to increase safety and
quality and thus contributes to the factory's profitability.

Technologies: .Net, Angular, SQL Server, Kendo UI

RehaPiano   07/2023 – 10/2023
Developed software required for a rehabilitation and treatment monitoring
hardware device using Python, incorporating extensive concurrent resource
management in parallel programming.

Baloise Broker Platform, *Full stack developer*   01/2023 – 04/2023
Online web tool providing a complex car insurance management platform to the
brokers of the customer, The Baloise Group (Belgium).
- Continuum development of a web application consisting of the Django Rest
  Framework with PostgreSQL and front-end implementation in React
- Among others, working on system internationalisation and integration of
  translation services
- Development of new React app features with extensive usage of Redux and
  TailwindCSS
- Front-end migration of the React application from deprecated create-react-app
  solution to Next.js framework

Web content recommendation service, *Master's thesis*   2022 – 2023
Recommendation service for a Django (with PostgreSQL) web application with
minimal usage of financial and computational resources, optimised for AWS cloud
deployment.
- Golang Lambda functions
- Data embedding using NLP algorithms
- Recommendations based on Chebyshev user-object vector similarity
Technologies: Django, PostgreSQL, MongoDB, Docker, Serverless, AWS cloud
services, Pytorch, Scikit-learn

Vroom(.be), *Web Developer and Tech Lead*   10/2021 – 12/2022
Online car dealership and magazine platform implementation as a contractor for
Remaster Solutions for customer Mobly(.be).
- Focused primarily on Django framework programming - both backend (Python)
  and frontend (Javascript, Tailwind, HTMX)
- Actively participating in third-party services integration
- Involved in designing the system and data flow architecture

In later stages of development, I also took over the tech lead duties, managing the
development team and the development flow of the project as well.

Open-air theater application, *Full stack developer*   05/2021 – 09/2021
Freelance project for a student civic association involving the design and
implementation of a full stack web application and its UI.
- UI created in Figma
- Main technology Django (REST) framework with SQLite database
- Frontend implemented in React with usage of Redux

Interests

Outdoor Sports
As I spend a lot of time in front of a screen working, I love relaxing and competitive outdoor sports activities. Mostly running, cycling, hiking and XC skiing.

Traveling
I have a passion in exploring new locations either histoty or nature appealing. My long term goal is to visit New Zealand one day.

Algorithmization
I love solving logical puzzles and finding the most elegant solutions for programing challenges and riddles.

Sci-fi/Fantasy
Sci-fi and fantasy genres are the best. Doesn't matter if it is a movie, book or game. (also huge LOTR fan)