

# Lubomír 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

<b>Master's degree</b> , <i>Technical University of Kosice</i> Information Technology	2021 – 2023 Kosice, Slovakia
<b>Bachelor's degree</b> , <i>Technical University of Kosice</i> Information Technology	2018 – 2021 Kosice, Slovakia

### Languages

Slovak	<div><div></div></div>	English	<div><div></div></div>
German	<div><div></div></div>		

### Skills

<b>Python</b> Django, Flask	<div><div></div></div>	<b>Machine Learning</b> Scikit-learn, Pytorch, Pandas, Matplotlib	<div><div></div></div>
<b>TypeScript</b> React, React Native, NextJS, Angular	<div><div></div></div>	<b>C#</b> .Net	<div><div></div></div>
<b>Golang</b>	<div><div></div></div>	<b>Graphic Visualisation of the User Interface</b> Tailwind, CSS, Bootstrap	<div><div></div></div>
<b>Cloud Services and System Architecture</b> Microsoft Azure, AWS	<div><div></div></div>	<b>Databases</b> PostgreSQL, MongoDB, CosmosDB	<div><div></div></div>
<b>Other</b> Docker, Serverless, CircleCi	<div><div></div></div>		

### Professional Experience

<b>Esten</b> , <i>.Net and Angular developer</i>	05/2023 – present
<b>Remaster Solutions</b> , <i>Django and React developer</i>	10/2021 – 04/2023

## Projects

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### **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

### **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

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### 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 history 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 programming 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)