Ninel **BĂNICĂ**
Software & Electrical Engineer

CONTACT & INFO

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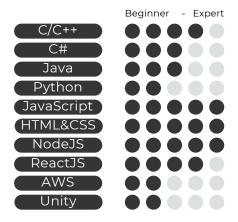📍 Brașov, Romania

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🌐 ninel-valentin.com

SOFT SKILLS

- Problem-Solving
- Quick learner
- Curiosity
- Communication
- Time Management

INTERESTS

- Embedded systems

TECHNICAL SKILLS

Beginner - Expert

Skill	Level
C/C++	●●●●○
C#	●●●○○
Java	●●●○○
Python	●●○○○
JavaScript	●●●●●
HTML&CSS	●●●●●
NodeJS	●●●●○
ReactJS	●●●●○
AWS	●●○○○
Unity	●●●○○

LANGUAGES

Language	Level
Romanian	**Fluent**
English	**C1**
French	**B1**

Education

Bachelor of
Electrical Engineering & Computer Science
Transylvania University of Brasov   2022 - 2026

Experience

Full stack developer intern
Siemens Digital Industries Software   Nov 2024 - Present

- Worked on a C# and C++ desktop app for data analysis of automotive sensors;

Summer intern
Siemens Digital Industries Software   Jul 2024 - Sep 2024

- Developed multiple microservices using Python and deployed them online using AWS

Junior Crawler Developer
ChannelSight   Mar 2022 - Nov 2024

- Developed and improved Web-Crawlers on Apify using NodeJs.
- Wrote custom JavaScript tools to ensure data quality in large volumes.
- Created SQL queries for data preview.

Certifications/Courses

- AWS Cloud Practitioner   **Oct 2024**
- SQL Server fundamentals - PluralSight   **Jul 2023**

Relevant personal projects

Gyrosensor-glove controlled bluetooth Arduino car
*Arudino (**C++**)*   2025

- Built a glove with a gyrosensor and bluetooth module that sends control commands to a bluetooth Arduino car

Visual path-finder
Java   2024

- Interactive visual canvas used for editing directed/undirected graphs.
- Find the shortest path between a starting and ending point.

Visual sand simulation
HTML, JavaScript   2024

- Visual representation of sand simulation using HTML canvas

Wave collapse function representation
HTML, JavaScript   2023

- Visual representation of the wave collapse function using tile map generation.

Console path-finder
C++   2023

- Interactive console application with a complex user-friendly menu.
- Find the shortest path between a starting and ending point.

Web chat application
C# .Net forms, SQL   2020

- Messaging application with customizable profiles, accounts and friend requests functionalities.