



Paris, France

# Bogdan Gorelkin

FULL STACK DEVELOPER

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## Summary

Full-stack software developer with over 3 years of experience in building scalable, cross-platform, with solid architecture applications. My skills allow me to mentor and manage junior developers, ensuring the quality of the application being developed.

I am capable of independently deploy applications from scratch, choosing the appropriate technology stack. In addition, start-ups come to me for independent development advice.

Driven by ambition, hard work, and versatility, I bring a strong work ethic to find elegant solutions to your challenging projects.

## Skills

**Programming languages:** JavaScript (TypeScript), Java, Python, C, C++

**FrontEnd :** HTML, SASS, SCSS, CSS

**Frameworks :** React, React-Native, Svelte

**BackEnd :** NodeJS, ExpressJS, NestJS, Java Spring

**Languages :** Français (B2), Anglais (B2), Allemand (A1), Russe (langue maternelle)

**Other skills :** Linux, Shell, Git, Arduino, MicroPython, ROS, RTOS, PCB, CubeMX, LaTeX

## Professional experience

### TemmaCare

Telemedicine Application Developer

Paris (La Défense)

2022/01 - Présent

- Independent development of cross-platform applications with selection of technologies from PoC to MVP
- Creating reusable npm packages
- Design and implementation of new features
- Mentoring, refactoring, optimization and review

### Gymnasium Classique

Programming and Robotics Teacher (part-time - volunteer)

Paris

2022/09 - 2023/10

- Training in the basics of electrical engineering and programming
- Introductory lesson on how git works.
- Creation of hardware and software projects

### Inria

Developer and designer of modular robots with dynamic configurations (research engineer)

Lille

2021/03 - 2021/09

- Writing instructions and documentation for the new BIP programming paradigm
- Creation of rules for the behavior of modules and their interaction with each other in composite systems
- System description using deterministic finite state machines

### Femto-ST

Programmer-researcher in self-reconfigurable robotic systems (student-researcher)

Montbéliard

2020/10 - 2020/12

- Implementation of synchronization algorithms for modular robots
- Strengthening the time synchronization protocol for modular robots.

### Polytech Nantes

Embedded device security researcher developer (research engineer)

Nantes

2020/01 - 2020/07

- Implementation of the RSA crypto algorithm on the STM32 microcontroller
- Investigation of vulnerabilities via third-party side channels using DMA.

## Study

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<b>M2</b>	Internet of Things	<i>UTBM, Montbéliard 2020 - 2021</i>
<b>M2</b>	Wireless embedded technologies (double diploma)	<i>Polytech de Nantes, 2019 - 2020</i>
<b>M1</b>	Information communication technologies and communication systems	<i>TUSUR, Tomsk 2018-2020</i>
<b>Licence</b>	Audiovisual technology	<i>TUSUR, Tomsk 2014-2018</i>

## Autre

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My hobby is automation and smart device development (IoT). In my free time, I create controller-based devices and run my own home server with a Raspberry Pi.

I express myself artistically through music, playing multiple instruments. Passionate about various sports such as cycling, bouldering, rollerblading, and table tennis. I also cultivate my interest in mechanics by repairing vehicles, from cars to scooters.

My multifaceted interests reflect my relentless curiosity and commitment to continuous learning.