

# Dan Constantin Niță

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## Profile

Highly **motivated** and **dynamic** with **technical background** in sciences, that recently found a deep **passion** about **programming**, seeking a **challenging** position in technology industry where I can leverage my **knowledge** and **skills** to **contribute** to the **development** and **implementation** of **innovative solutions**.

## Skills

- JavaScript (ES6+)
- React
- HTML
- CSS
- Git
- UX/UI Design
- Responsive Web Design
- Web Requests
- Promises
- Async-Await
- OOP
- Debugging & Troubleshooting

## Software Projects

### Ecommerce app (full-stack)-under development

- Features : responsive UI, CRUD operations, cross-browser compatibility, modern UI/UX
  - Technologies: React, Node.js, Express.js, REST API, Web API, Stripe, Mongo DB, CSS,
- Git address: <https://github.com/dancnita/ecommerce/>

### Portfolio (terminal look-like) app

- Features : responsive UI, cross-browser compatibility
  - Technologies: React, modular JavaScript, CSS
- Git address: <https://github.com/dancnita/portfolioTerminal>

### Local weather web app

- Features : responsive UI, modern UI/UX, cross-browser compatibility
  - Technologies: React, modular JavaScript, CSS, web APIs, promises, asynchronous scripts
- Git address: <https://github.com/dancnita/loc-weather-app-react>

### Task management web app (full stack)

- Features: responsive UI, CRUD operations, cross-browser compatibility
  - Technologies: React, CSS, Node.js, Express.js, MySQL, REST API, modular design, promises, asynchronous scripts, React Hooks(useSatate/useEffect), MySQL queries, component communication
- Git address: <https://github.com/dancnita/toDoListFullStackSQL>

### Calculator app

- Features : cross-browser compatibility
  - Technologies: React, CSS, modular design, component communication, React events
- Git address: <https://github.com/dancnita/simpleCalculatorReactVite>

## Education and training

01.2023 – 03. 2023 / 05.2023 – 09.2023

**Web Development (JavaScript)**

*The Informal School of IT*

2008 – 2009

**MSc in Environmental Science**

*Babeş-Bolyai University, Romania*

2009 – 2012

**PhD in Environmental Sciences**

*Babeş-Bolyai University, Romania*

2004 – 2008

**BSc in Physics**

*Babeş-Bolyai University, Romania*

## Work experience

09.2018- present

**Scientific Researcher (CSIII)**

*Babes-Bolyai University, Cluj-Napoca, Romania*

- Conference(s) website(s) maintenance(HTML+CSS)
- Tested, validated and implemented analysis and calibration techniques for LA-SF-ICPMS
- Responsible for lab management
- Designed and implemented workflow charts for instruments usage and debugging
- Literature review / documentation and manuscript(s)/papers(s) writing

09.2015 – 01.2017

**Scientific Researcher / Research Officer/Lab manager**

*University of St Andrews, U.K.*

- Conducted sample & data analysis and reported results for multiple research projects as member of lab team or as collaborator of multi-institutional research projects
- Provided 24/7 technical support for proper and safe usage of labs and equipment
- Responsible for labs & instruments maintenance, diagnose & repair and management
- U/Th dating by MC-ICPMS techniques implementation

07.2014 – 07.2015

**Assistant researcher: Isotope Geoscientist**

*University of Bristol, U.K.*

- Implemented new radiochemistry procedures for U/Th speleothem dating by MC-ICPMS reducing process time by 40% & increasing final data precision up to 50%
- Conducted sample & data analysis and reported results for multiple research projects as member of lab team meeting tight deadlines
- Trained new team members on U/Th procedures

07.2010 – 07.2014

**Assistant researcher**

*Babeş-Bolyai University, Cluj-Napoca, Romania*

- Developed, tested, validated and implemented new measuring method for radon in carbonated water
- Conducted sample and data analysis(indoor, soil & water radon, gamma dosimetry and spectrometry, speleothem U/Th ), and reported results for multiple research projects as member of lab team

**Publications :** <https://www.scopus.com/authid/detail.uri?authorId=54405165200>