

Lucas Cristiano Calixto Dantas

Senior Software Engineer

contact

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languages

native portuguese
advanced/fluently english
basic french

technical knowlegde (summary)

Python, Java, JavaScript,
C, C++

Django, SpringBoot,
NodeJS

React, HTML, CSS

PostgreSQL, MySQL,
MongoDB, Redis

Flutter, Android

Git, Docker, Kubernetes,
TravisCI, CircleCI, GoCD,
GitlabCI

Github, Gitlab, Jira

FIWARE, OpenStack,
Arduino, RaspberryPi,
MQTT, CoAP

MacOSX, Linux, Windows

education

2018–2020 **Master** on Systems and Computing Federal University of Rio Grande do Norte, UFRN
Research area: Software Engineering and Distributed Systems
Master thesis: *A virtual laboratory for developing and experimenting internet of things applications*

2017–2017 **Bachelor** of Software Engineering Federal University of Rio Grande do Norte, UFRN
Final paper: *Development of support tools for the use of IoT and context FIWARE components*

2013–2017 **Bachelor** of Information Technology Federal University of Rio Grande do Norte, UFRN
Emphasis in Software Engineering

2010–2013 **Technician** in Informatics Federal Institute of Rio Grande do Norte, IFRN

experience

professional experience

2019–Now **SENIOR SOFTWARE DEVELOPMENT CONSULTANT** ThoughtWorks Brazil
Senior software development consultant at ThoughtWorks, Brazil. Applying agile practices for designing and implementing software solutions for multinational companies in an agile environment. Some of the main activities include creating strategies and solving business problems, implementing them using modern technologies, also carrying out other activities of the software delivery process (i.e. business analysis, planning and implementation of different types of tests).

2017–2017 **SOFTWARE DEVELOPER (INTERN)** Information Tech. Superintendence (SINFO), UFRN
Development and maintenance on academic management WEB systems of Federal University of Rio Grande do Norte (UFRN), using the Java, Java Server Faces (JSF), SpringBoot and PostgreSQL.

research and development

2018–2020 **R&D ON IOT SUPPORT WEB PLATFORMS** Federal University of Rio Grande do Norte, UFRN
Tech Lead on FIWARE-Lab@RNP project – Digital Metropolis Institute (IMD)
Project for development of a web-based support platform for deployment of IoT-based environments and support the creation of IoT applications, using Internet of Things (FIWARE) and cloud computing (OpenStack) platforms. The solution was developed using technologies: Python, Django WEB framework, Javascript, React, Celery and RabbitMQ, WebSockets, Docker, and the databases PostgreSQL, Redis and MongoDB.

- 2017–2018 **R&D ON IOT AND SMART CITIES** Federal University of Rio Grande do Norte, UFRN
Developer on Smart Metropolis project – Digital Metropolis Institute (IMD)
 Research and development project aimed at creating solutions applied to the context of Smart Cities, using Internet of Things and cloud computing platforms, creating solutions developed in the Python and based on the use of tools of services management and orchestration.
- 2014–2017 **R&D ON AUTONOMOUS SYSTEMS AND IOT** Federal University of Rio Grande do Norte, UFRN
Fellow at ARAM Project – Digital Metropolis Institute (IMD)
 Research and development project aimed at implementing an adaptive solar tracking system guided by the needs of solar radiation monitoring tools, through the application of embedded systems, using C/C++ and Python, and control and monitoring web systems, using Python and Django framework.
- 2013–2013 **R&D ON GAME DEVELOPMENT** Federal University of Rio Grande do Norte, UFRN
Developer in the GamEdu laboratory
 Research and development project aimed at elaborating educational digital games, for the teaching of basic education subjects, through the use of game development engines (Construct2) and including tools in the created games for the teaching of programming (Scratch).

awards

- 2017 **TITLE OF ACADEMIC MERIT** Federal University of Rio Grande do Norte, UFRN
 Student awarded as having the best results on the conclusion of Software Engineering course (semester 2017.2)
- 2018 **HACKATHON CSBC 2018** Congress of the Brazilian Computer Society, CSBC
 Member of the winning team of the Hackathon for creating Internet of things (IoT) solutions, promoted by the *Center for Advanced Studies of Recife (CESAR)* and *Brazilian Computer Society (SBC)* in the *XXXVIII Congress of the Brazilian Computer Society*

volunteer projects

- 2018 **INTERVIEWS APPLICATION SYSTEM** Campinas, SP
 Development of a system for a research group of UNICAMP/SP, for the application of synchronized quantitative researches, using tablets and smartphones, exporting reports with the collected data using JavaScript, with ReactJS and NodeJS for the control of the application and Android with Kotlin for the development of the participant's application.
- 2016 **CLASSROOM AND STUDENTS MANAGEMENT SYSTEM** Natal, RN
 Development of the student and catechesis meetings management system of the church of Nossa Senhora da Candelária, in the city of Natal/RN, using Java and PostgreSQL.
- 2013 **SGI-ADIC/RN SYSTEM** Natal, RN
 Development of a student and classes management system for a non-governmental organization of Natal/RN (ADIC-RN), using C# and MySQL.

additional information

Lecturer in various mini-courses and training of technologies and tools
 Annual participation in academic and technical conferences