Renato C. Juaçaba Neto
Senior Full-Stack Developer

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☎ TODO
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Seeking position in tech company where I can employ my software development skills and research abilities. I'm proud to have started my career as a level 1 tech support and have managed to climb to senior developer level. It is within my capacities to work throughout the stack of an application, from frontend to backend and supporting infrastructure (cloud based or not). Additionally, with my research background I have achieved efficient problem-solving skills and independent task management. While short, my period as a substitute professor and assistant helped improve my communication and people handling skills.

SKILLS

Web Development	Java · Spring Framework · C# · Bootstrap · React · Angular · Node · Redis · Next.js
Data Analysis	Python · Jupyter · Pandas · Seaborn · RDF datasets · SPARQL · Scikit
Infrastructure Management	Linux · Shell scripting · Kubernetes · CI/CD pipelines · SLURM clusters · Google Cloud
Non-Technical	Open source · Teaching · Team work · Adaptability · Self-taught

EXPERIENCE

Senior developer @ *European Bioinformatics Institute* .... oct 2022 — oct 2025
3 years
Cambridge, UK
— Responsible for maintaining & expanding legacy web service (React, Spring, GCloud, Kubernetes);
— Upgraded legacy system to the latest versions of components & reorganized open source repositories;
— Organized hackathon projects to improve application features and published article on improvements;
— Contributed in international and multi-institutional project on FAIR practices for research;
— Helped maintain and integrate new data sources to Lucene based corporate search engine.

Assistent Researcher @ *University of Strasbourg* .... feb 2019 — jul 2022
3.5 years
Strasbourg, France
— Aided in practical and semi-practical network classes;
— Implemented simulations of IoT networks and prototypes of research proposals (C++ and JavaScript);
— Performed analysis and presentation of research data (Python);
— Cooperated in writing peer-reviewed papers on research results;
— Research areas : LoRa, Aggregation, Anonymization, Multi-Owner IoT.

Substitute Teacher @ *Federal Institute of Ceará* .... oct 2018 — dec 2018
3 months
Cedro, Brazil
— Taught multiple classes at bachelor and technical level;
— Was responsible for network, database, and software engineering courses;
— Helped conclude a delayed semester due to lack of teachers;
— Only stayed for brief period due to unexpected PhD opportunity.

Network analyst @ *Casebrás Group* .... oct 2017 — sep 2018
1 year
Fortaleza, Brazil
— Provided helpdesk support to internal clients on all levels of complexity;
— Developed web solutions for internal use of several departments within the group;
— Helped gather requirements for software being developed by external team;
— Assisted in the administration and monitoring of network infrastructure in addition to headless servers (Linux and Windows).

Assistent Researcher & developer @ *National Center of High Performance data processing* .... jul 2014 — mar 2015
9 months
Fortaleza, Brazil
— Participated in developing web interface to access scientific cloud and cluster infrastructure. This system started and managed the execution of scientific payloads through a web interface;
— Created and maintained scripts to manage and generate reports on Linux environments and cluster usage;
— Collaborated on writing paper and poster on recent service improvements;
— Deployed scientific applications on cluster and cloud environments.

Education

PhD in computer networks @ *University of Strasbourg, France* .... 2019 — 2022
  Title : Privacy-aware Aggregation of IoT Streams in Multi-Owner Networks
Master in Computer Science @ *Federal University of Ceará, Brazil* .... 2015 — 2017
  Researched wireless resource allocation in Narrowband IoT.
Bachelor in Computer Science @ *Federal University of Ceará, Brazil* .... 2010 — 2014
  Focused on Computer networks and security. Researched Mesh networks by the end of the bachelors.

Main Publications

Juaçaba Neto, R. C., Merindo, P., Theoleyre, F. (**2021**). Data Aggregation for Privacy Protection of Data Streams Between Autonomous IoT
  Networks. *IEEE Symposium on Computers and Communications (ISCC)*. https://doi.ieeecomputersociety.org/10.1109/ISCC53001.2021.9631401
Juaçaba Neto, R. C., Merindol, P., Theoleyre, F. (**2021**). Scalability of LPWAN for Smart City Applications. *International Wireless Communications
  and Mobile Computing Conference (IWCMC)*. https://doi.org/10.1109/IWCMC51323.2021.9498698
Juaçaba Neto, R. C., Rodrigues, E. B., Oliveira, C. T. de. (**2017**). Performance Analysis of Resource Unit Configurations for M2M Traffic in the
  Narrowband-IoT System. *Simpósio Brasileiro de Telecomunicações e Processamento de Sinais (SbrT)*.
  https://api.semanticscholar.org/CorpusID:189807044

Other Activities & information

80+ hours of courses on Pluralsight ....https://app.pluralsight.com/profile/renatocjn
DELF French language certification level B2 2025
Board member of PhD student association StrasAIR .... 2020 — 2022
Co-Founder of study group and extension project on information security .... 2012 — 2017
Final year of High School in the United States (Archbold High School, Ohio) 2009

References