Renato C. Juaçaba Neto
Network Researcher & Junior Developer

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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 — Present · >2.5 years · Cambridge, UK
— Single person 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;
— Help 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;
— Implementation of IoT networks simulations and prototypes of proposals (C++ and JavaScript);
— Performed analysis and presentation of research proposals performance 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;
— 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 PhD opportunity.

Network analyst @ *Casebrás Group* — Oct 2017 — Sep 2018 · 1 year · Fortaleza, Brazil
— Help desk support to internal clients on all levels of complexity;
— Development of web solutions for internal use of the several departments of the group;
— Helped gather requirements for software being developed by external team;
— 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
— Development of web interface to access scientific cloud and cluster infrastructure. This system started and managed the execution of scientific payloads through a web interface;
— Creation and maintenance of scripts to manage and generate reports on Linux environments and cluster usage;
— Collaborated on writing paper and poster on recent service improvements;
— Deployment of 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
Focus : Computer networks and security. Researched Mesh networks at 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

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