

# Luan Lins

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Fullstack Software Engineer | DevOps | React | Node.js | AWS | Kubernetes

## Contact

635 Emiliano Braga Street, Iputinga, Recife-PE, Brazil

Phone: +55 87 98148-6931

Email: luancsl95@gmail.com

LinkedIn: [www.linkedin.com/in/luan-lins-b5960570](https://www.linkedin.com/in/luan-lins-b5960570)

GitHub: [github.com/luancsl](https://github.com/luancsl)

Lattes: [lattes.cnpq.br/9321874150400095](https://lattes.cnpq.br/9321874150400095)

Site: [www.luanlins.dev.br](https://www.luanlins.dev.br)

## Professional Summary

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Highly skilled Fullstack Software Engineer and Technical Lead with over 6 years of experience in software development. Proficient in backend solutions, DevOps, and cutting-edge technologies, including Node.js, React, React Native, TypeScript, Kafka, Apache Spark, Apache NiFi, Docker, Kubernetes, Terraform, and AWS. Currently pursuing a Master's degree in Distributed Systems Performance Assessment.

## Core Competencies

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- Fullstack Development (React, React Native, Node.js, TypeScript, GraphQL)
- DevOps & Automation (Docker, Kubernetes, AWS, CI/CD)
- API Development (RESTful, GraphQL)
- SQL and NoSQL databases
- ELT and MLOps
- Manufacturing Execution Systems (MES)
- Irrigation systems development

## Professional Experience

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### **LACETI (Embedded Computing and Industrial Technologies Laboratory), Brazil**

*DevOps Developer*

2023 - present

- Developed ELT pipelines for data cleaning and storage
- Orchestrated MLOps pipelines for machine learning workflows
- Ensured efficiency and accuracy in analysis processes

*Technical Lead*

2022 - 2023

- Led project development team

- Defined solid architectures and performed code reviews
- Resolved technical challenges and collaborated with project managers
- Promoted professional growth within the team

#### *Fullstack Developer*

2021 - 2022

- Contributed to the development of a manufacturing execution system (MES) for a major automotive battery company
- Optimized production processes and real-time monitoring

#### **LMTS (Multidisciplinary Laboratory of Social Technologies), Brazil**

##### *Fullstack Developer*

2020 - 2021

- Developed a control system for scheduling COVID-19 vaccines for the city of Garanhuns-PE

#### **Federal Rural University of Pernambuco (UFRPE), Brazil**

##### *Fullstack Developer in Irrigation Grid Project*

2019 - 2020

- Developed evapotranspiration irrigation systems

## Education

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#### **Federal University of Pernambuco (UFPE)**

Master's in Computer Science, focus on distributed systems performance evaluation (2021 - present)

#### **Federal Rural University of Pernambuco (UFRPE)**

Bachelor's in Computer Science (Completed 2021)

## Notable Projects

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- **SIA API**: REST API providing climate data and crop coefficients
- **EvApp**: React Native application for calculating reference evapotranspiration
- **GrowApp**: Water management application for rural producers
- **TaxiCar Simulator**: Optimization and simulation project for evaluating matching algorithms between app passengers and drivers

## Certifications

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- Build Basic Generative Adversarial Networks (GANs)

## Publications

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1. Experimental Evaluation of Software Aging Effects in a Container-Based Virtualization Platform

2. Performance Modeling of Microservices with Circuit Breakers using Stochastic Petri Nets
3. Stochastic Modeling for Assessing the Reliability and Availability of Drone-Based Surveillance Systems
4. Software Aging in the Docker Platform
5. Resource Monitoring with Bash Scripts: An Experimental Study

## Patents

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- GrowApp
- EvApp
- GrowConnect
- SIA - Smart Irrigation API