Lucas de Oliveira Araújo

Software Engineer
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"Scientia potentia est"

Profile

Software Engineer at iFood, working on the evolution and maintenance of microservices within the Cancellations and Negotiations platform. Experienced in Kotlin, Java, Kubernetes, and AWS, focusing on building scalable, resilient, and high-availability systems. Strong background in DevOps practices, automation, and observability, alongside the development and maintenance of automated tests to ensure production quality and reliability.

Education

Federal University of Minas Gerais (UFMG), Belo Horizonte, MG, Brazil

03/2022 - Present

B.S. in Information Systems at the Department of Computer Science. Expected graduation: 12/2026.

Experience

Software Engineer, iFood

04/2026 - Present (Software Engineer) | 02/2025 - 03/2026 (Intern)

Part of the back-end team for the Cancellations and Negotiations Platform. Starting as an intern and subsequently promoted to a full-time role, I collaborate on maintaining and evolving microservices in Kotlin and Java, applying DevOps practices to ensure high system availability.

Data Engineer Intern, DTI-DDP/UFMG

04/2024 - 01/2025

Managed and optimized databases, built data pipelines, and developed interactive visualization dashboards to generate strategic insights.

Teaching Assistant, DCC/UFMG

03/2024 - 01/2025

Mentored students in the Programming and Software Development II course, focusing on OOP using C++. Assisted in understanding concepts such as classes, inheritance, polymorphism, and encapsulation, as well as supporting the implementation of practical projects.

Scrum Master, iJunior UFMG

09/2023 - 03/2024

Led teams in the effective implementation of Scrum methodology. Coordinated agile ceremonies, acted on removing impediments, and promoted collaboration among team members.

Teaching Assistant, DCC/UFMG

08/2023 - 12/2023

Provided support for students in the Data Structures course. Facilitated the understanding of fundamental concepts such as lists, trees, graphs, sorting and searching algorithms, and computational complexity.

Undergraduate Researcher, WINET - Wireless Networks Lab - UFMG

05/2023 - 01/2024

Researcher in resilient communication for VANETs (Vehicular Ad Hoc Networks) under attack conditions. Gained practical experience with wireless networks, communication protocols, and cybersecurity.

Monitoring Operator, Stratum

03/2020 - 02/2022

Operated and monitored electronic security systems, including alarms and CCTV networks.

Apprentice, Assprom

05/2017 - 05/2019

Performed administrative and support activities as a Youth Apprentice at COHAB-MG and ThyssenKrupp.

Publications

[1] Everaldo Andrade, Lucas Araujo, and Aldri Santos. "Spatial Correlation of Routing and Platooning for Detecting Arbitrary BH Attacks in CAV Platoons". In: *IEEE Transactions on Vehicular Technology* (2026). DOI: 10.1109/tvt.2026.3664793. URL: http://dx.doi.org/10.1109/tvt.2026.3664793.

[2] João Castro, Lucas Tadeu Pereira Soares Gomes, Ana Luiza Dalfior Sossai, and Lucas de Oliveira Araújo. "Desenvolvimento do Cubo "Estado da Carga": Potencializando a Gestão do Armazém de Dados da UFMG". In: *WTICIFES 2025*. 2025. URL: https://repositorio.wticifes.com.br/handle/123456789/860.

Skills

Programming Languages: Kotlin, Java, C/C++, Python, C#, Bash, SQL
DevOps & Infrastructure: Terraform, Ansible, Kubernetes, Docker, Proxmox, AWS, GitLab CI/CD, Git
Frameworks & Tools: Spring, Maven, Gradle
Databases: PostgreSQL, MySQL, Oracle SQL, Data Warehouse
Methodologies & Architecture: Scrum, Agile Methodologies, Microservices
Operating Systems: Linux

[*] *Further details and practical examples of my skills can be found in my projects on GitHub.*