Lucas R. Mendes

Brazilian, 24 years
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Experience

FEV 2021 – PRESENT

Full Stack Engineer (Typescript / Javascript) / Checkmarx, Portugal

- Working as a Full Stack Engineer focusing on the development of web applications to follow and manage the product's quality.
- Building react and node applications from the concept through deployment phrase, following design patterns and best practices.
- Development of CI/CD pipelines, mainly using GitHub actions.
- Collaborating with product and development team to implement and test new features.
- Active working between development stages, from the frontend to the backend and also deployment phrases (on AWS).
- Database integrations: NoSQL (Mongo, Dynamo, Elastic) & SQL (PostgreSQL).
- Integrating applications with 3rd party services, such as Github, Azure, Jira and Okta.
- Key Achievements
  - Development of an internal application that improved all the company's quality process by tracking product's development stages. Built from scratch to production, using Typescript in the backend and frontend, and also doing the deployment process.

JULY 2020 – JAN 2021

Undergraduate Researcher / Instituto Politécnico de Bragança, Portugal

Research Field: Data Analysis & Web Development focused on Database of Foods.

Development of an integrated product that allows the complete management of a food database.
The system includes interfaces for data maintenance and a panel for data analysis and machine learning.
Main Technologies: Node, React, MongoDB, R (Shiny).

AUGUST 2017 – DECEMBER 2019

Undergraduate Researcher / Universidade Tecnológica Federal do Paraná, Brazil.

Research Field: Web Development focused on Accessibility and Inclusion.

Development of an automatic web system that converts mathematical markup symbol languages (MathML) into plain text. Providing more accessibility for blind users who navigate the web using screen readers.
Main Technologies: JavaScript, PHP.

Education

2021- 12/2024
AWS Cloud Practitioner Certification.
Amazon Web Services Certification.

2020 – 02/2021
Master's Degree - Informatics
Polytechnic Institute of Bragança, Bragança, Portugal.

2017 - 2020
Bachelor's Degree – Computer Science
Federal University of Technology - Paraná, Ponta Grossa, Brazil.

Professional Skills

Front-end (React)

- React Hooks
- State Management (Redux, context API)
- UI (Styled Components, CSS Modules, Story Book, Antd, MaterialUI)
- API (Hooks, React Query)
- Bundler (Webpack, Vite, CRA)
- Testing (jest)

Backend (Node)

- API Conception and maintenance.
- AWS SDK (DynamoDB, SES, SQS, CloudFront...)
- Databases (Mongo, PostgreSQL)
- Automated Tests (jest, chai)
- Elastic Stack (Elastic Search, Kibana)
- Serverless (framework)
- Documentation (swagger)

Other

- AWS Services
- 3th party integrations (JIRA, GitHub, OKTA...)

- CI & CD automation (Github actions, CodeBuild)

Personal Skills

- Team player
- Problem Solving
- Critical Thinking
- Dedication

- Public Speaking
- Adaptable
- Leadership
- Sociable

Achievements

- Professional

- [2022] Hackathon 2nd – Company Hackathon

- [2021] AWS Certification: Cloud Practitioner

- [2020] HUAWEI Seeds for the Future 2020 – Portugal (National Event)

- [2020] Hackathon Winner – HACKATOWN (Local Event)

- [2020] Hackathon Winner – CASTLETHON (Local Event)

- Academic

- [2020] Current Academic Grading (IPB-Portugal): 17.2 out of 20.

- [2020] Current Academic Grading (UTFPR-Brazil): 8.4 out of 10.

- [2019] First Classified on Double Degree Program (UTFPR – IPB).

- [2018-2019] 2x Best Presentation of Academic Research (UTFPR).

Publications

- Szesz Junior, Albino, Mendes, Lucas Ribeiro, & Silva, Sani de Carvalho Rutz da. (2020). **Math2Text: Software para geração e conversão de equações matemáticas em texto - limitações e possibilidades de inclusão**. *RISTI - Revista Ibérica de Sistemas e Tecnologias de Informação*, (37), 99-115. https://dx.doi.org/10.17013/risti.37.99-115

- Jáima Oliveira, Regina Miura, Flaviane Freitas, Marília Blanco, Emely Oliveira. (2020). Tecnologias educacionais como suportes para a inclusão escolar. In Szesz Junior, Albino, Mendes, Lucas Ribeiro, & Silva, Sani de Carvalho Rutz da. **Matemática fácil: sistema online para produção de equações matemáticas acessíveis**. (pp-11-26). São Carlos/SP: Editora De Castro. DOI: 10.46383/isbn.978-65-86540-08-6.

Portfolio & GitHub

- GitHub:
  - https://github.com/lrmendes (personal)
  - https://github.com/cxlucas (work)

- Portfolio: http://lrmendes.github.io