

Rafael Fernandes Lopes

Fullstack Software Engineer · 25+ years experience

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SUMMARY

Fullstack Developer with 25+ years building, testing and maintaining web and mobile applications. Specialized in the JavaScript stack (React.js / React Native / Node.js) and Flutter for the past 9 years. Broad experience as manager, advisor and tech lead across dozens of software projects in both industry and academia.

WORK EXPERIENCE — INDUSTRY

Senior Software Engineer

2022 – Present

Fullstack Labs

- Shipped production features for clients including Fueled and Encyclopaedia Britannica using React, Next.js and Node.js.
- Delivered high-quality web and mobile products in cross-functional, client-facing teams.

Technologies: React.js, Next.js, Redux, Node.js, Sass, Python.

Founder & Lead Developer

2017 – 2022

ImaginaKIDS — EdTech Startup

- Grew platform to 7k+ students and 100+ teachers; 150k+ pages created; measurably improved reading and writing outcomes.
- Built and scaled web and mobile platforms end-to-end as lead developer.

Technologies: React.js, React Native, Redux, Firebase, Flutter.

Web Developer

2004 – 2006

Federal University of Maranhão (UFMA) — IT Center

- Supported and developed the university website and internal web systems as Systems Analyst.

Technologies: PHP, JSP/Servlets, JSF, JPA.

Web Developer

2003 – 2005

Fapema — Foundation of Research Support of Maranhão

- Implemented and maintained the foundation's public website and web information management system.

Technologies: PHP, MySQL.

WORK EXPERIENCE — ACADEMIA

Professor, Researcher & Project Manager

2016 – Present

Federal University of Maranhão (UFMA)

- Taught undergraduate and post-graduate CS courses: Algorithms & Data Structures, OOP, Mobile App Development, Distributed Systems.
- Managed dozens of R&D; projects across React.js, Flutter, Node.js, Firebase, RabbitMQ, gRPC, MQTT, Cloud Computing and more.

Professor, Researcher & Project Manager

2006 – 2016

Federal Institute of Technology of Maranhão (IFMA)

- Formed hundreds of students across basic and advanced Computer Science courses; led and advised software R&D; projects.

EDUCATION

Ph.D. in Electrical Engineering - Information Processing

2013

Federal University of Campina Grande (UFCG)

M.Sc. in Electrical Engineering - Computer Science

2006

Federal University of Maranhão (UFMA)

B.Sc. in Computer Science

2003

Federal University of Maranhão (UFMA)

SKILLS

Expert

React.js, Next.js, React Native, Redux/Thunk/Toolkit, Node.js, Express.js, Flutter, TypeScript, HTML/CSS/JavaScript

Proficient

MongoDB, PostgreSQL, Redis, Firebase, Python, Google Cloud, Amazon AWS, Docker, Jest

Applied

Native Modules, Strapi, WebSocket, Socket.io, gRPC, MQTT, RabbitMQ