

Rodrigo Pinheiro Dias

Full-Stack Developer

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SUMMARY

Full-Stack Developer experienced in building end-to-end applications with modern frameworks such as Next.js and NestJS, leveraging TypeScript, React, and Node.js to deliver scalable and maintainable solutions. Skilled in applying Clean Architecture, Domain-Driven Design, and SOLID principles to design robust systems, while using tools like AWS, Docker, and GitHub Actions to optimize workflows and deployment pipelines. Proven ability to refactor legacy codebases, implement reusable components, and design modular architectures that improve team productivity and product scalability. Passionate about creating innovative, high-quality software that drives measurable impact through cutting-edge technologies.

SKILLS

Architecture and Principles: Clean Architecture, Domain-Driven Design, SOLID, Clean Code, Microservices Architecture

Front-End: Next.js, React, HTML, CSS, MUI, shadcn/ui, Vite, CSS Modules, styled-components, Tailwind CSS, UI/UX Design, Figma.

Back-End: NestJS, Node.js, MVC, REST APIs, GraphQL, Express, Fastify, Deno, Caching.

Languages: TypeScript, JavaScript, Python, Java, C, C++.

Databases: Prisma ORM, PostgreSQL, Supabase, MongoDB, MySQL, Redis.

Development Tools and CI/CD: AWS, Docker, Git, GitHub, GitHub Actions, Cypress, Playwright, Vitest, Supertest, Jest, Mocha, Chai, Agile Methodologies.

Data Structures and Algorithms: Asymptotic notation, Graphs, Hash tables, Heaps, Linked lists, Recursivity, Searching, Sorting, Trees.

Soft Skills: Leadership, Project Management, Communication, Teamwork, Organization, Strategic Thinking, Problem Solving, Creativity, Initiative, Continuous Learning, Adaptability, Collaboration, Negotiation.

Additional Skills: RabbitMQ, Machine Learning, Deep Learning, Operations Research, Optimization, Probability.

PROFESSIONAL EXPERIENCE

Founder & Full-Stack Developer

ROPDIAS, Campinas, SP, Brazil – Remote

06/2024 to Present

Core Responsibilities:

- Built and deployed modern web applications with Next.js, TypeScript and Tailwind CSS, delivering responsive, accessible, and high-performance interfaces for personal and client-facing projects.
- Designed and implemented scalable front-end architectures, refactoring legacy codebases into modular, reusable React components, ensuring long-term maintainability.
- Developed advanced CRM features in a Google Chrome Extension using React and MUI, including message sequence scheduling and customer funnel tracking, which automated workflows and improved user efficiency.
- Created over 50 use cases for IndexedDB interactions, streamlining offline data handling and preparing the project for future Back-End integration with tools like Supabase.

Key Technologies and Tools: Next.js, Typescript, Tailwind CSS, JavaScript, React, Google Chrome Extension APIs, MUI, Supabase, IndexedDB, Git, GitHub, Agile Methodologies.

Civil Engineer

City Hall of Campinas, Campinas, Brazil

09/2014 to Present

Core Responsibilities:

- Lead teams and manage the production of public infrastructure budgets, using Notion and automated spreadsheets, ensuring compliance with municipal, state, and federal regulations to align projects with approved guidelines and deliver accurate, timely results.
- Collaborate with cross-functional teams to analyze contracts, oversee bidding processes, and review economic-financial adjustments, ensuring project feasibility and legal compliance.

Key Technologies and Tools: AutoCAD, Revit, Civil 3D, Infraworks, Microsoft Excel, Microsoft Word, Notion.

EDUCATION

Postgraduate Certificate in Full-Stack Development

Rocketseat, Remote, Brazil

06/2024 to 11/2025

- **Relevant coursework:** Back-End, Front-End, and Mobile Development
- **Focus:** Mastering the latest technologies and frameworks, including Next.js, NestJS, React, Node.js, React Native, TypeScript, Domain-Driven Design (DDD) and Clean Architecture

Postgraduate Certificate in Business Administration

Fundação Getulio Vargas (FGV), São Paulo, Brazil

09/2017 to 12/2018

- **Relevant coursework:** Leadership and Innovation, Business Strategy, Project Management, Financial Management, and Business Marketing
- **Focus:** Developing managerial skills like strategic thinking, leadership, communication techniques, and business plan analysis, with an emphasis on combining theoretical knowledge with practical applications.

Bachelor's Degree in Civil Engineering

State University of Campinas (UNICAMP), São Paulo, Brazil

01/2008 to 12/2013

CERTIFICATES/COURSES

AWS Cloud Quest: Recertify Cloud Practitioner , AWS Training & Certification, United States	08/2025
Specialization/Training in Figma , Rocketseat, Brazil	06/2025
React: Front-End and Back-End Integration , Rocketseat, Brazil	12/2024
React: HTTP Requests and Performance Optimization , Rocketseat, Brazil	10/2024
React: Advanced State Management and Hooks , Rocketseat, Brazil	10/2024
Web Development Fundamentals (Part of MBA Program) , Rocketseat, Brazil	05/2024
Node.js Complete Certification , Rocketseat, Brazil	11/2023
Node.js: NestJS , Rocketseat, Brazil	11/2023
Node.js: Domain-Driven Design (DDD) and Clean Architecture , Rocketseat, Brazil	11/2023
Clean Code , Udemy, Remote	01/2023
GitHub Actions: The Complete Guide , Udemy, Remote	01/2023
Node.js: The Complete Guide , Udemy, Remote	10/2022
AWS Certified Cloud Practitioner , Amazon Web Services (AWS), United States	06/2022
Python for Finance: Investment Fundamentals & Data Analytics , Udemy, Remote	06/2022

LANGUAGES

Portuguese: Native

English: Fluent