

# Arthur Octávio Dias dos Santos

📍 Sao Jose dos Campos, Sao Paulo, Brazil ✉ arthursantos01@gmail.com ☎ +5511952795920 🌐 in/arthur-dias

🔗 <https://arthurdias01.github.io> | <https://github.com/ArthurDias01>

---

## SUMMARY

Experienced Full Stack Developer with 2.5 years of experience in React.js, Next.js, Product Development, Problem Solving, REST API, Full Stack, Backend, Frontend, Kanban, Agile Development, and Node.js. Proven ability to create an effective user experience and solve complex business problems through data-driven software solutions. Seeking a position as a Full Stack Software Engineer

---

## EXPERIENCE

### Full Stack Developer

#### Coally

January 2021 - Present, Sao Jose dos Campos

- Developed Apps from scratch by building its own requirements, communicating well with the team, and using innovative thinking to solve problems.
- Improved team productivity by reducing the time it takes to deploy new code to production by 75% by building a continuous integration system that automated the deployment process.
- Built a responsive, SEO-friendly, e-commerce site using Wordpress, React, Next.js, Tailwindcss, and GraphQL.
- REST-API building with Nest.js, Docker, PostgreSQL and PrismaORM.
- Reduced time to market for new feature requests from 1 week to within days, resulting in increased customer satisfaction by 27%.
- Optimized the application speed and improved the performance by 15% by utilizing caching mechanisms, code optimization and page reduction.

### Product Development Engineer

#### Embraer

March 2018 - May 2023, Sao Jose dos Campos

- Aerospace Mass Properties Team - Military and Executive Programs.
- Structural Design Engineer for KC-390 and Super-Tucano (A-29).
- Masters courses on Aerospace Engineering in partnership with (ITA) Technological Institute of Aeronautics.
- Major concentration on subjects as Aerospace Structures.
- Managed product development projects by using the design thinking process and integrating systems engineering principles.

### Engineering Intern

#### Boeing

May 2014 - August 2014, Seattle, WA, USA

- Developed a Python program to provide stability for a drone's flight using the gyroscope and accelerometer sensors.
- Developed a Request of Proposal (Design, and Financial Analysis for Production, Scaling and Logistics for Bio-fuels in Aviation) by working with engineers in a corporate setting.
- Designed and Manufactured a Drone for Surveillance purposes, which uses a camera, GPS, and sensors to scan and record the surroundings, in a short period of time.
- Designed 3D CAD model of a landing gear, tested and implemented modifications to a 3D printing process for a rapid prototyping of the landing gear.
- Systems Engineering Training (Life cycle of product and Project Development) Process.

---

## PROJECTS

### Matelie Art Ecommerce

August 2022 - November 2022

- Developed an Ecommerce with Next.js and Wordpress/Woocommerce.
- Integrated Payment method with full range of api routes created on next.js.
- Created custom controls on Wordpress in order to customer manage its front-end through Wordpress only.

### Alluagro - Web

March 2022 - April 2022

- Developed a web app that allows the company to view all available machines posted by other users.
- Implemented a feature to allow users to search for machines and farms closest to their position.
- Integrated an external API to provide users with real-time farm product prices on the Brazilian market.
- Increased the number of end-clients of the customer company by 20%.

### Alluagro Mobile

December 2021 - March 2022

- Conceptualization of the app's features, functionality, and target audience.
- Creation of wireframes and user flow diagrams to map out the app's design and user experience.
- Development of the app's frontend and backend architecture.
- Implementation of user authentication and authorization systems to ensure data security.

- Integration with external APIs to provide real-time data on farm product prices in Brazil's market.
- Implementation of push notifications to alert users about new messages, job reservations, and other important events.
- Testing and debugging of the app's functionality and usability.
- Launch of the app and ongoing monitoring of user feedback and metrics to identify areas for improvement and new feature development.

## **Alluagro - Dashboard**

August 2021 - November 2021

- Developed a mobile app that allows the company to view all available machines posted by other users.
- Built a metrics tracking system for announcements related to machines and farms in need of machine-related jobs.
- Enabled tracking of negotiation progress and special reservation types that allow users to request direct monitoring by the broker company for better job results.
- Integrated an external API to provide users with real-time farm product prices on the Brazilian market.

---

## **EDUCATION**

### **MSc Aerospace Engineering**

Instituto Tecnológico de Aeronáutica (ITA) • São José dos Campos, SP, Brasil • 2020 • 3.0

### **BSc Aerospace Engineering**

Federal University of Uberlândia • Uberlândia, Minas Gerais, Brazil • 2016 • 3.0

### **BSc Aerospace Engineering**

Embry-Riddle Aeronautical University • Daytona Beach, FL • 2014 • 3.0

---

## **CERTIFICATIONS**

### **React & React Native, RocketSeat**

RocketSeat • May 2022

- ReactJS and Environment Course

---

## **COURSEWORK**

### **Node.js**

RocketSeat • 2022 • Node.js, TypeScript

- Created whole backends with AWS services like S3, SES, utilizing PostgreSQL and PrismaORM

### **React**

RocketSeat • 2021 • ReactJS and Environment Course

- Created many tools like dashboards, ecommerces using the skills learnt on the course.

---

## **INVOLVEMENT**

### **Tech Lead**

São José dos Campos, SP, Brasil • Alvorada Church • November 2022 - Present

- Creation of PWA app using React.js, Next.js, and Firebase, enabling church administrators to manage their members and information about their membership. Improve the church's ability to receive and serve those in need, resulting in a 20% increase in acceptance rate..
- By using GitHub and agile methodology, managed a team of 2 developers to maintain and improve PWA, by increasing the rate of code coverage from 30% to 80%.
- Defined the metrics to measure success, developed an action plan to increase the number of visitors, and completed the plan within predefined time.

---

## **SKILLS**

HTML, CSS, JavaScript, TypeScript, React.js, Jest, ChakraUI, Tailwindcss, Next.js, Webpack, PWA, Redux, Zustand

Rest API, GraphQL API, Nest.js, Node.js, Jest, PrismaORM

MySQL, PostgreSQL, Relational Databases, NoSQL, MongoDB

AWS, Google Cloud Provider, Git, GitHub, CI/CD, Docker, Sentry

Critical Thinkink, Problem Solving, Flexibility, Public Speaking, Team Leading, Product Management