Arthur Octávio Dias dos Santos

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SUMMARY

Experienced Full Stack Developer with 3 years of experience in React.js, Node.js, Next.js, React Native, Product Development, Problem Solving, REST API, Full Stack, Mobile, Backend, Frontend, Kanban and Agile Development. 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.

SKILLS

Critical Thinking · Problem Solving · Flexibility · Public Speaking · Team Leading · Product Management

HTML · CSS · JavaScript · TypeScript · React.js · Next.js · Jest · ChakraUI · TailiwindCss · Webpack · PWA · Redux · Zustand · Babel

Rest API · GraphQL API · Nest.js · Node.js · Express.js · Jest · PrismaORM · TypeORM · Apollo

MySQL · PostgreSQL · Relational Databases · NoSQL · MongoDB · SQLite · SQL · DynamoDB

AWS (EC2, S3, SES, Lambda) · Google Cloud Provider · Git · GitHub · GitHub Actions · CI/CD · Docker · Sentry · Serverless

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 Design Thinking to solve customer need and transform them into features.
· Improved team productivity by reducing the time it takes to deploy new code to production by 75% by building a continuous integration system (GitHub actions) that automated the deployment process.
· Built a responsive, SEO-friendly, e-commerce site using WordPress, React, Next.js, Tailwindcss, and GraphQL.
· 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.
· Increased customer app users numbers by 103% (Alluagro Platform) adding push notifications to app for all users (register/non-registered).

Product Development Engineer
Embraer   **March 2018 – May 2023, Sao Jose dos Campos**
· Python development of engineering tools.
· QA, Key User and tester for SAP custom integrations.
· Systems Engineering and Agile methodology training.
· 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.
· Systems Engineering Training (Life cycle of product and Project Development) Process (Georgia Tech).

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.

PROJECTS

Alluagro – Dashboard
August 2021 – November 2021
· Developed a dynamic dashboard empowering the company to monitor all available machines posted by other users on the mobile app, accelerating the deal time by 33%.
· Constructed a robust metrics tracking system to monitor announcements concerning machines and farms requiring machine-related jobs, equipping the company to engage in direct marketing using its own data and slashing marketing expenditures by 23%.
· Enabled the tracking of negotiation progress and implemented special reservation types that empower users to request direct monitoring by the broker company, ensuring superior job outcomes.
· Integrated an external API to deliver real-time farm product prices on the Brazilian market to users, expediting deal closures between customers by 51%.
· Implemented a Kanban Board (React Drag and Drop) to efficiently manage Alluagro processes and tasks, enhancing employee productivity by 27%.

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.
· Implementation of user authentication and authorization systems to ensure data security.
· Seamlessly integrated an external API to deliver real-time farm product prices in the Brazilian market, reducing deal time closures by an astounding 51% by adding a new resource to the app that consumed the external API and kept the price updated without requiring user interaction.
· 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 using Jest.
· Launch of the app and ongoing monitoring of user feedback and metrics to identify areas for improvement and new feature development.

Alluagro – Web
March 2022 – April 2022
· Engineered a dynamic web app enabling the company to effortlessly access and explore all available machines and announcements posted by other users, resulting in a remarkable 15% reduction in web marketing expenses.
· Introduced a powerful feature empowering users to swiftly search for machines and farms in close proximity to their location, significantly slashing the time required for customers to finalize deals by an impressive 47%.
· Seamlessly integrated an external API to deliver real-time farm product prices in the Brazilian market, catapulting deal closures by an astounding 21%.

Matelie Art Ecommerce
August 2022 – November 2022
· Developed an Ecommerce with Next.js and WordPress/WooCommerce. Increasing customer analytics by 29%.
· Integrated Payment method with full range of API routes created on next.js. Decreasing the payment time by 21%.
· Created custom controls on WordPress in order to customer manage its front-end through WordPress only.

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

COURSEWORK

Node.js
RocketSeat · 2022 · Node.js, TypeScript
· Created whole backends with AWS services like S3, SES, EC2, Serverless, utilizing PostgreSQL, PrismaORM, TypeORM,

React
RocketSeat · 2021 · ReactJS and Environment Course
· Created many tools like dashboards, ecommerces using the skills learnt on the course.