

# Renato Frias

## Software Developer

### Professional Summary

Software Developer with 5+ years of experience in front-end and a little bit of full-stack development, specializing in Angular, React, and microservices architecture. Lately I've been digging deep into Flutter development in a personal side project. I love the excitement of learning the best practices and advantages of a new Framework. Proven ability to implement scalable web applications and deliver seamless user experiences. Passionate about bridging the digital and physical worlds through innovative solutions.

### Education

Bachelor of Digital Media (Interaction) | Billy Blue College of Design | 2016 - 2019 Diploma of Software Development | Canterbury Technical Institute | 2015 - 2016 Bachelor of Engineering (Mechatronics)- 3.5 years out of 5 | FACENS (Brazil) | 2011 - 2014

### Programming Skills & Attributes

#### Frontend Development

- HTML / CSS
- JavaScript / TypeScript
- jQuery
- React
- Angular
- RxJs / NgRx
- Flutter
- Single SPA (micro-frontends)
- Storybook

#### Backend and Integration

- API Integration
- Node.js
- Java

#### Testing and Quality Assurance

- Jest & Karma Unit Tests

#### Tooling and Workflow

- pnpm
- GIT

Angular has been my primary focus over the past few years, though I have also gained substantial experience working on multiple React projects during this time. I am always excited to learn new frameworks and explore how they can best contribute to the unique requirements of a project.

## **Full Time Software Developer | Auto & General | Mar 2023 – Now**

Since February, I've been mostly focused on implementing AI processes to optimize software delivery times and improve development experiences. This includes experimenting with Google's AI suite (Vertex AI / Gemini), OpenAI Codex, and GitHub Copilot, as well as implementing a full end-to-end pipeline—from gathering business requirements to delivering JSON-driven applications.

At Auto & General, I contributed to the development, delivery, and maintenance of two large-scale, high-risk projects: the Customer Car Sales Journey and the Contact Centre Sales Journey. Built using Angular, TypeScript, and NgRx for state management, these projects required rigorous unit testing to ensure quality and reliability, as many features were shared between them. I played a key role in enhancing and maintaining the company's shared Angular component library within our NX Monolith structure. My responsibilities included developing new components, conducting thorough peer reviews for team contributions, and ensuring all updates complied with WCAG accessibility standards.

In addition, I maintained and updated our Storybook instance, ensuring components were well-documented and accessible to developers and stakeholders alike. A critical aspect of my role involved managing major package upgrades, including Angular, NX, and Node, carefully testing and validating changes to minimize disruptions and ensure stability across interconnected projects.

Beyond frontend development, I proactively learned Java to contribute to microservices development, enabling our team to meet tight project deadlines. To support other developers, I created detailed documentation tailored for frontend developers transitioning to backend microservices, resulting in multiple team members successfully upskilling and broadening their expertise.

Stack: NX Monolith / Atlassian tools / Angular / Storybook / Java Micro-services / AWS S3 / Agile  
Reference: Kuen Foo (Team leader / Senior Developer) – 0405135108

## **Personal Project | Autobook**

Autobook is a personal project where I initially developed an AWS Amplify Gen 2 Angular application. To further my learning, I decided to rewrite the application in Flutter, focusing on gaining expertise in its core concepts, particularly state management and the application lifecycle. Throughout the transition, I leveraged Flutter's robust state management approaches like Provider to handle dynamic content, ensuring a seamless user experience.

I also became proficient in understanding Flutter's application lifecycle, handling lifecycle methods such as initState, dispose, and build to manage resources efficiently. By integrating AWS Amplify for cloud functionality, I strengthened both my technical skills and my understanding of best practices for mobile app development. This shift not only allowed me to experiment with new features but also enhanced my growth as a developer, giving me a deeper understanding of Flutter's ecosystem and cross-platform capabilities.

## **Software Developer | Full-time | Swissport | Mar 2022 - Mar 2023**

At Swissport, I was responsible for developing and maintaining complex front-end web applications in a micro-frontend architecture using Angular and React frameworks. A key project I contributed to was the Employee Management Internal Dashboard, where I independently designed and implemented a flight graphs module. This module provided critical data visualization capabilities and improved operational efficiency for internal stakeholders.

To meet the requirement of integrating third-party, country-specific applications without exposing our core system, I worked extensively with Single SPA to enable seamless micro-frontend integration. My daily responsibilities included creating user-centric digital interfaces (UX/UI), implementing new systems, managing WebSocket subscriptions for real-time updates, and debugging and optimizing existing projects.

I also took the lead in maintaining and updating unit tests using Jest and Karma, ensuring robust test coverage and system reliability. Additionally, I contributed to CI/CD pipelines by creating and updating workflows, improving deployment efficiency. By leveraging AWS for backend integration and utilizing Atlassian tools for version control and project management, I ensured smooth communication between front-end and back-end systems through well-structured APIs.

Stack: Angular 12, React, Single SPA, Jest, Karma, WebSockets, AWS, Atlassian Tools

Reference: Mark Holmes - 0439811075

### **Software Developer | Full-time | Flow Autobody | Sep 2021 - Mar 2022**

At Flow Autobody, I was hired as a Junior Software Developer to support the development of web applications using React.js, Angular, and GraphQL. Despite my junior role, I took on a leadership position in several key projects, managing an outsourced senior developer while ensuring the timely delivery of complex systems.

One of my primary contributions was leading the development of a customer-facing vehicle repair quote system. Built using Angular, this system integrated seamlessly with the company's existing quoting platform, improving customer experience and operational efficiency.

The second and largest project I spearheaded was a workshop management system. This Angular based application streamlined daily operations by managing workers' tasks and vehicle workflows, significantly improving task organization and workshop productivity.

Additionally, I developed a quote tracking system using React. This application allowed customers to accept quotes and track the repair process in real time. All systems were fully integrated with iBodyshop, a third-party platform central to the company's operations.

Beyond frontend responsibilities, I contributed to backend development by implementing .NET and Node.js APIs to support these applications, ensuring secure and efficient data flow between the front-end interfaces and back-end systems.

Stack: Angular, React.js, GraphQL, .NET, Node.js, iBodyshop Integration, Atlassian Tools, Figma

Reference: Jai Aguilar - 0481391467

### **Multimedia Developer | Full-time | Kay by Design | Sep 2019 - Aug 2021**

As the primary web developer at Kay by Design, I leveraged my technical and creative skills to deliver custom digital solutions, including websites, online stores, and web applications. My role encompassed end-to-end project management, from client scope analysis to final deployment. One of my key responsibilities was designing and developing custom WordPress websites tailored to client needs. This involved extensive use of custom JavaScript to implement unique functionalities and create highly interactive user experiences. I also handled domain and hosting setup, conducted security checks, and implemented improvements to ensure reliable and secure deployments. Beyond web development, I contributed to multimedia projects, including designing digital magazines, creating video and animation assets for marketing campaigns, and optimizing visuals for multiple digital platforms. By combining technical expertise with design acumen, I helped clients achieve engaging and cohesive digital presences.

Stack: WordPress, JavaScript, CSS, Adobe Creative Suite (Photoshop, Illustrator, After Effects), Video Editing, Animation

Reference: Sara Kay - 0488023465

### **Front End Developer | Internship | MyWork | Feb 2019 - Mar 2019**

During my internship at MyWork, I gained hands-on experience working in a fast-paced design studio environment, enhancing the foundational skills I had acquired during my studies. My primary focus was on learning and contributing to projects using WordPress and Shopify, the studio's main development platforms.

One of my key responsibilities was assisting with front-end development tasks, such as implementing visual design elements, troubleshooting website layouts, and creating engaging user interfaces for client projects. I quickly adapted to the studio's workflows, including content management and customization within WordPress and Shopify, while adhering to best practices for responsive design.

This experience not only strengthened my technical proficiency but also gave me valuable insight into agency operations, equipping me with the confidence to develop visually appealing and functional web solutions in a collaborative setting.

### **Diverse Technical Experience**

As a boat repairer at MASRM Fiberglass (2016 - 2019), I applied my engineering expertise to fibreglass construction, timber framing, surface preparation, and polishing, consistently tackling unique challenges in high-pressure environments. Previously, as a Technical Sales Analyst at Inductotherm Brasil (2011 - 2014), I consulted with clients to design engineering solutions for the automotive and manufacturing sectors, gaining skills in professionalism, punctuality, and technical persuasion while deepening my understanding of metal heat treatment processes.

### **Contact Details**

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