

# Elton de Souza Vieira

Senior Software Engineer

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## WORK EXPERIENCE

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| JAN 2021 - CURRENT  | <p><b>Reclaim (previously Killi)</b> – Toronto, ON, Canada<br/><i>A startup with a leading solution for Consent as a Service (CaaS) and focused on data privacy. Handling data from 120M+ users and thousands of sources.</i></p> <p><b>Technical Lead</b></p> <ul style="list-style-type: none"><li>• Worked close to the product team and leadership performing technical explorations and refining &amp; grooming future features.</li><li>• Lead the development of key features by working primarily on high-risk tasks, including external services integrations.</li><li>• Contributed as a key person to the project by taking ownership of various components and having a grasp of the big picture.</li><li>• Helped create an internal knowledge transfer culture across the development team, and documented processes and discoveries.</li><li>• Continued to mentor other developers and perform all previous responsibilities.</li></ul>   |
| JAN 2020 - JAN 2021 | <p><b>Full-Stack Software Engineer</b></p> <ul style="list-style-type: none"><li>• Worked on all main applications &amp; platforms (Web, Mobile, Browser extension, and API). Using modern technologies like Python (Django) and JavaScript (React, React Native, Redux, Redux-Saga); improving code quality and test coverage.</li><li>• Performed key updates in the core application, allowing the team to develop new features faster while improving the overall performance &amp; bundle sizes.</li><li>• Developed a fully-functional browser extension from scratch to live in 4 weeks, with Ad-blocking &amp; Data Breach monitoring features.</li><li>• Performed code reviews and mentored other developers, helping the team to deliver cleaner and testable code while improving the delivery consistency.</li></ul>   |
| NOV 2018 - JAN 2020 | <p><b>Full-Stack Software Engineer, Service Fusion</b> – Irving, TX, United States<br/><i>A startup company with an all-in-one field management software that serves over 2500 companies.</i></p> <ul style="list-style-type: none"><li>• Maintained &amp; Improved the main existing application, built with Python, TypeScript and Vue.js; using the best software engineering techniques, while keeping a careful eye on performance.</li><li>• Reviewed code from other colleagues by paying attention to the minute details and providing comments in order to reduce code smells or potential malfunctions.</li><li>• Refactored some key modules from the system to make code more readable, maintainable, performatic and less prone to bugs.</li><li>• Wrote unit tests on both front-end (jest) and back-end (pytest) services, increasing test coverage and system reliability by identifying and fixing hidden bugs.</li><li>• Optimized many SQL queries by reducing the number of selected columns, joins and subqueries; thus, reducing the query complexity and by using other resources, such as prefetch and cache.</li></ul> |
| AUG 2018 - NOV 2018 | <p><b>Software Engineer, Surfmapppers</b> – Natal, RN, Brazil<br/><i>A startup company that is the biggest marketplace of digital surf photos, with clients all over the world.</i></p> <ul style="list-style-type: none"><li>• Designed, architected and developed the key features of the Android application, using a MVP architecture with Kotlin, in order to support thousands of users.</li><li>• Maintained &amp; Improved the company's REST API, built in Python with Falcon, to be used by the Android App.</li><li>• Mentored other developers in software engineering concepts, such as: software architecture, design patterns, modularization and Separation of Concerns.</li></ul>  |

FEB 2017 - AUG 2018

**Scientific Researcher and Engineer, SmartMetropolis** – Natal, RN, Brazil

*An academic research project in the field of IoT and smart cities in cooperation with the local federal police, the government, Petrobras and some startups.*

- Architected & developed a low-cost distributed infrastructure for collecting vehicular data with offline support for the android mobile application.
- Engineered a Java library for retrieving and parsing vehicular data in an effective way, cutting the execution time by more than 70%.
- Built and maintained a REST API in node.js to store and serve the data so it could be used on data analysis tools.
- Developed an android app to decode the VIN (Vehicle Identification Number) and extract information of the vehicle, such as brand name and manufactured year.

## PREVIOUS EXPERIENCES

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APR 2018 - NOV 2018

**Teacher Assistant, Federal University of Rio Grande do Norte** – Natal, RN, BRA

MAR 2016 - FEB 2017

**Junior Web Developer, SINFO** – Natal, RN, BRA

## SIDE PROJECTS

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**Pitanguá pSystem**

A management system for psychology clinics.

**Kotlin OBD API**

An android library to retrieve and parse vehicular data over the OBD-II protocol.

**Java OBD API**

An android library to retrieve and parse vehicular data over the OBD-II protocol.

**Math Monkey**

An educational platform game (unity) to teach math to kids.

## EDUCATION AND CERTIFICATES

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2015 - 2018

**B.Sc. in Information Technology** (emphasis on Software Engineering)

Federal University of Rio Grande do Norte

GPA: 8.85 | ADVISOR: Ivanovitch Medeiros Dantas da Silva, PhD

2019

**Certificate in SCRUM Foundation Professional (SFPC)**

CertiProf

## LANGUAGES

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PORTUGUESE: Fluent (Native)

ENGLISH: Advanced

## TECHNICAL SKILLS

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6+ YEARS: Python, Javascript/Typescript, MySQL, PostgreSQL, Sass/SCSS, and Git.

3+ YEARS: PHP, Django, Pyramid, Falcon, Vue.js/Vuex, React/Redux, Kotlin, Java, Android, and MongoDB.

STUDYING: Haskell, Kafka, and Go.