Thiago C L da Silva

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Employment

Sr. Mobile Engineer / Tech Lead	**Inventsys Switzerland**	**Jan 2022 - current**

Remote
- Leading/mentoring the React-Native team – up to 3 Junior and Senior developers and 2 QA Engineers.
- Maintain tech-stack, architecture and design patterns.
- Designed, implemented a new persistence layer. Migrated the mobile App database from Realm.js to SQLite/TypeORM, removing fundamental limits, increasing performance and allowing the App to store large (> 50Mb) GeoJSON data for offline Map gis-layers availability.
- Designed new Data-Sync Engine which is currently under development.

Key skills: JavaScript, React-Native, Appium, SQLite, TypeORM, Realm.js, C4 Design Model

Sr. Full Stack Engineer	**Inventsys Switzerland**	**May 2020 – Jan 2022**

Remote
- Development and ownership of new GIS/Map Components in React-Native and React using MapBox with functions like GPS location/trail-tracking, compass feature, visualization of Raster/Vector Gis-Layers and items clustering, enabling the mobile-app as well as the web-app to smoothly render hundreds of thousands of items on the map.
- Implemented Unit, Component and e2e automated tests into the development life-cycle. Contributed to the optimization of the development cycle and CI/CD process which increased the frequency of releases with stable features and decreased the number of defects during development.
- Eliminated all Highest, High, Medium and Low priority Mobile App Bugs.
- Development API/Back-end features (PHP/Symphony), allowing in some instances the creation of full stack functionalities involving the mobile App.
- Company grew from 9 clients and 100 mobile app users to +100 clients and 2000 app users in this period.

Key skills: HTML/CSS, JavaScript, React, React-Native, Appium, PHP, MySQL, Realm.js

Sr. Software Developer/Owner	**SugaTech**	**May 2017 – Jan 2020**

Remote
- Development of many full-stack MVPs for other companies
- Development of a Point-of-Sale App using Android (Java) named SIMC for the company DataCase, which works with Sunmi POS devices.
- Development of a Ticketing App called Eventu for the company DataCase (React-Native), working with Sunmi POS devices.
- Development of a chat app in React-Native made for psychologists and patients called MeuSentimento (available in Brazilian Ios and Android stores)
- Websockets API development with Java
- Rest API development with Node.js/Sails.js and PHP/SlimFramework

Key skills: JavaScript, React, React-Native, Java, Php, Node.js, Android, SQLite, PostgreSQL

Software Developer/DBA	**Rigstar S.A.**	**Oct 2010 – Set 2017**

Ciudad Del Este - Paraguay
- Administration of operational SQL databases (MySQL, PostgreSQL and IBM Informix) to ensure successful update, migration and maintenance operations. Development and optimization of triggers and stored procedure routines.
- Implementation of a cross-data scheme to mine data from databases from different system providers. Development of high level report desktop application using crossed data from the databases with Java (BI);
- Development of process automation systems and routines for the Accounting Department using Java, which reduced the time of work that 20 account technicians made in 30 days to 1 week with only up to 10 technicians;
- Development of the company's websites using S.E.O. techniques with HTML, PHP, Javascript and MySQL;
- Development of an integrated bio-metric employee Time Clocking-in System using SecuGen devices and Java.

Key skills: Java, JavaScript, HTML/CSS, PHP, MySQL, PostgreSQL, IBM Informix

Education

Foz do Iguaçu, Brazil   Universidade Dinâmica Cataratas - UDC
- B.S. Computer Science (2017 - 2019)

Foz do Iguaçu, Brazil   Universidade Estadual do Oeste do Parana - UNIOESTE
- B.S. Computer Science (2002 to 2008) - Locked in the last year

Relevant Courses Additional Experience

- Side Project made with the Company DataCase, which was an automated KegTap Pourer. Android Native App linked by USB cable to Arduino Hardware/circuits, integrated with payment system and RFID.
- A couple of SPA using Three.js (WebGL) and react-three-fiber.

Languages and Technologies

- React-Native, React.js, Javascript, TypeScript, Java, PHP, SQL, TypeORM, Realm.js, APIs Restful and Websockets, Appium, Three.js, react-three-fiber, WebGL Shaders