Rodrigo Henriques N Magalhaes
Software Engineer / IoT Engineer

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Programming Languages: JavaScript, TypeScript, Python, Ruby, PHP, C#, .NET, Natural, Cobol, JCL, CSS, HTML
Technologies: MongoDB, GCP, **MS SQL** Server, **MySQL**, **PostgreSQL**, Cassandra, Express, RESTful API, Angular, React, Vue, Node.js, Django, Ruby on Rails, Laravel, React Native, Docker, SAS, SAP, CI/CD, Automated Testing, DB2, Adabas.
Component Libraries: Ant Design, MUI, Bootstrap

PROFESSIONAL SUMMARY

Seasoned professional with over **18 years of experience** in system development across multi-platform environments, from Mainframes to Cloud architectures. Proven track record of successfully collaborating with global teams, mentoring interns, and facilitating the onboarding process for new colleagues. Extensive working knowledge in **JavaScript, React, Express, MongoDB, SQL, C#, and ASP.NET.**

WORK EXPERIENCE

Allterco Robotics/ Shelly - Senior Software IoT Engineer   Boca Raton, FL | Aug 2022 - Present
- Leading the development of a cutting-edge Management platform for a network of **1000+** IoT devices, using **Material UI** and **Ant Design (AntD)** component libraries to create intuitive interfaces, facilitating control and monitoring of the entire network.
- Spearheaded the development of a CRM with **Javascript, Node.js, Express, MongoDB**, and **React** following **UX/UI** principles that will enhance communication and deliver exceptional customer experiences. Deployed on **GCP.**
- Established and managing an internship program, providing comprehensive training to over **20+** interns and guiding them in developing **full-stack** solutions for IoT devices, fostering their professional growth.
- Developed innovative electrical solutions and engineered a platform to streamline the setup process for IoT devices, resulting in a remarkable **300%** reduction in setup time. Built with **Javascript.**
- Overseeing IT Operations, including managing server and storage systems, ensuring the smooth functioning and reliability of critical infrastructure. **Microsoft Administration** and Grasshopper.

Casa & Concierge - Senior Software Engineer / System Support   North Miami, FL | May 2011 - Present
- Built a CRM and FinTech platform that played a pivotal role in driving **100%** business growth, enabling management of customer relationships and financial operations. Utilized **Javascript, React, Express, Node.js** and **MongoDB.**
- Utilized **Ant Design (AntD)** component library to build an intuitive and visually appealing platform, enabling seamless **visualization of data points** for enhanced data analysis and insights. Servicing **1000+** concurrent clients.
- Provided expert consultation on Excel financial solutions, advising on strategies to enhance data transparency and optimize report output, resulting in improved financial analysis and decision-making processes.

L'Oréal - Software Engineer / System Analyst   Brazil, France and Belgium | Jun 2007 - May 2011
- Successfully built global implementation of **SAP** with a team of **40+** engineers utilizing **Microsoft SQL** for database development including creating **queries, indexes, views, stored procedures and triggers**, resulting in streamlined processes, enhanced efficiency, and collaboration on a global scale unifying operations across factories and replacing local solutions.
- Engineered a codebase for industrial printers with **ZPL** (Zebra Programming Language), achieving a **100%** reduction in scanning errors and boosting output by **200%,** significantly enhancing productivity and minimizing operational disruptions.
- Developing tailored solutions using **Pascal Delphi** and **SQL**, addressing needs and requirements across different sectors of the factory, including manufacturing and finance, thereby optimizing workflows and improving overall operational effectiveness.

SFR - Previtec - Software Engineer   Rio de Janeiro, Brazil | Dec 2005 - Apr 2007
- Integral member of **5** developers, specializing in **SQL development**, to implement efficient **SQL queries** to retrieve and manipulate data from the database, serving **API** endpoints for data delivery using **ASP.NET** for the organization's applications and systems.

EDS (Bought By HP) Group - Junior System Analyst   Rio de Janeiro, Brazil | Mar 2004 - Nov 2005
- Led as a Quality leader, leveraging CMMI (Capability Maturity Model Integration) concepts to guide and facilitate the company's certification process to CMMI-5 in **1 year**.
- Provided technical support for US Airways, now **American Airlines**, crew and maintenance software, ensuring seamless operation 24/7 and addressing any technical issues or concerns on call and effectively within a **team of 4** analysts servicing **2,000+** users, utilizing **Adabas**, **Cobol**, **Natural**, **JCL**, and **IMS** programming languages and technologies.

EDUCATION

Boca Code, Software Engineering Career Course   Boca Raton, FL | June 2022
TSS (Tech Talent South), Full Stack Web Developer Course   Raleigh, North Carolina | Dec 2019
Estácio de Sá University, Bachelor's in Information Systems   Rio de Janeiro, Brazil | Aug 2006