RICARDO FERREIRA

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Professional Summary

- Skilled Software Engineer effective at incorporating user requirements to produce high-quality, clean and robust code. Excellent design, development and deployment management abilities. Work well with fellow developers, quality assurance team members and engineers to produce flawless applications.

Skills

- Software engineering
- Development engineering
- Design system architecture
- Program coding
- Evaluate user requirements
- Produce clean code
- Infrastructure architecture design
- Systems integration
- Build solutions
- Validate code
- Debug software
- Teamwork

Experience

Senior Technology Solution Architect   11/2008 to Current
Sotech Pagamentos Eletronicos – Salvador, BA

- Hired to design, build and deploy the very first Java-Oracle credit card client-server payment application for digital transfer funds technology using the concept of data center-centric oriented solution.
- Design, coding and support of web-based payment applications using Laravel PHP, JavaScript, Bootstrap, Spring Boot, MongoDB, NodeJS, MySQL, Apache, Nginx and others.
- Design, deployment and management of all current web-based payment applications and products using Oracle, Java SE, PHP, MySQL, Spring Boot and NGINX migration from physical-virtual servers to a 100% containerized ecosystem based on Docker.
- Support and maintenance of legacy code financial reconciliation applications using .Net and C technologies.
- Design and deployment of a DevOps infrastructure focused on applications, running Prometheus, Grafana, Elastic and Zabbix for the monitoring, metric and log analytics teams.
- Deep knowledge of all security aspects regarding payment applications and its secure public network communication requirements with credit card companies and its acquirers, building secure web-based applications.

Staff Engineer   06/2005 to 10/2008
Vipway Telecom – Santos, SP
- Started developing back-end VoIP applications using Kamailio, formerly OpenSER, framework and MySQL to provide signalling, registration and media integration services.
- Integrated authentication and authorization backend VoIP services with RADIUS/SYSLOG /PPPoE platforms,in order to provide customer with SSO services.
- Implemented the basis for a suite of monitoring and observability applications to better manage a distributed netwok infrasctruture.

Information Technology Operations Manager   01/1995 to 12/2004
Vitech America Inc (Intercontinental Telecom) – São Paulo, SP
- Joined the company to face the challenge as architect and general manager to work on the 'start-up' and creation of Systems Integration and Computer Networking businesses areas when the Internet was at its infancy in Brazil (1995).
- After putting a very skilled team at work, developed innovative solutions to meet banking, governmental, health and other markets with state-of-the-art packages, including all aspects of hardware, software and networking and delivering to customers complete packages, including networking, servers and applications.
- Developed several applications for monitoring external network devices, being a very active early adopter of open-source based solutions using LAMP framework.

Senior Staff Engineer   07/1986 to 12/1994
Elebra Eletrônica – São Paulo, SP
- Started as a Product Engineer to deal with the evangelization and deployment of the very first SCSI-based data storage devices, supporting the design and development of drivers to be integrated to OS kernel to support the new way to deal with peripherals devices, using a SDK based on C and C++ and Turbo C.
- As a company known as a broad solution provider to technology markets such as data communications, telecommunications, defense and computing, served years as an engineering resource for these areas, working primarily as a systems integrator to provide customers solutions, having worked both in national and international projects.

Field Service Engineer   01/1984 to 06/1986
Cobra Computadores – Rio de Janeiro, RJ
- I started my technical career in the area of information technology as a support technician for medium-sized computers (C-700 and C-500) running under SOD operating systems and gaining experience into the deployment and servicing medium and large information technology infrastructure.
- Expert in synchronous and asynchronous communication protocols for interconnecting large and medium-sized computers, using X-25 and BSC-3 technologies.

Education

Graduate: Full Stack Web Development   Feb 2023
Faculdade Unyleya - Brasilia , DF
Keep IT professionals updated according to the latest technologies in the market for the
development of web applications

Graduate: Software Engineering   Oct 2012
Faculdade Unyleya - Brasilia , DF
Improve knowledge about building software as a team with quality, including techniques, tools,
methods and technologies using efficient metrics, eliminating waste and improving
communication during the software construction cycle

Graduate: Information Technology   Aug 1992
Mackenzie University - São Paulo , SP
Introduction to the fundamentals of computing with a focus on building, managing and
maintaining software-based solutions and applications.

Bachelor of Science: Engineering   Dec 1983
São Judas Tadeu University - São Paulo , SP

Languages

English, Advanced

Additional-info

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- **https://www.ferreiras.dev.br**

Accomplishments

- Git and GitHub - 2019
- UML and Object Oriented Design Foundations - 2020
- Data Structures and Algorithms - 2019
- Master CSS, Grid and Flexbox - 2019
- Responsive HTML5, CSS3 e BEM - 2020
- PHP-7 WEB Developers- 2017
- JavaScript - 2021
- Kubernets for Beginners - 2020
- Docker Project-Based Approach - 2020
- MongoDB, NoSQL e Mongoose - 2022
- PHP Object Oriented Best Pratices - 2022

- Java and OOPS Paradigm - 2010
- IPv6 Basics – 2011
- FreeBSD Security Expert Engineer, - SEE - 2010
- FreeBSD Systems Administrator – SAA - 2010
- PostgreSQL – 2009
- Advanced PostgreSQL - 2009
- OpenSER – Switch SIP - 2009
- FreeBSD Systems Administration - 2006
- Microsoft Systems Engineer Certification - 1999
- Cisco Certified Design Professional – 2001
- Cisco Certified Network Professional - 2000
- Cisco Certified Design Associate –1999
- Cisco Certified Network Associate - 1999
- Project Management – USP - 2000
- Cisco Voice – CVOICE, San Francisco, USA – abril-2000
- Supporting Microsoft Cluster Server – San Diego, USA – 1997
- Wide Area Network Integration – San Antonio, USA - 1996
- Shiva Remote Access Services – Boston, USA – 1995
- Shiva Professional Services – Boston, USA -1995
- Unix QNX - 1989
- Small Computer System Interface – Minneapolis, USA -1988

Hobbies

- As a side effect of dealing with so many different challenges over my professional career and as a former MCSE* and CCNP/CCDP* before being fully dedicated to software development, there are a couple of subjects that I am still in love with as such Internet and its infrastructure (DNS, HTTPS, Email, SNMP, BGP and Linux/BSD OS).
- Most of my free time I am involved with the deployment of DNS servers using BIND with multiple views, email servers, SSL Reverse Proxy using NGINX, Zabbix, Nagios, Grafana, Prometheus, CAdvisor, Portainer among others as a set of DevOps tools to allow monitoring, observability and analysis according to the following paradigma: "You cannot manage what you do not have any metrics".
- As a Full Stack Web developer is absolutely necessary to go down to the infrastructure nitty-gritty to better interact with the teams and having a thorough understanding of the details and intricacies of an Internet-based infrastructure is a must to develop high quality and performing web applications.
- Running day in day out at least 8km to keep body and mind healthy.
- Motorsport fan specially MotoGP and F1.