DiogoPina

Full-Stack Software Engineer

Contact

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GMT -3

Languages

english (advanced)
portuguese (native)
spanish (basic)

Programming

♥NodeJS
♥React
TypeScript
PHP
HTML & CSS
Others
React Native
Python
Angular
Java, C/C++
Database
MySQL, MariaDB,
PostgreSQL,
MongoDB,
DynamoDB,
Firebase

Knowledge

Agile: XP, Scrum,
Kanban, Lean
Machine Learning
DevOps
Continuous Integration
Continuous Delivering

Summary

I am a remote full-stack software engineer specialist in web development, and I have over fifteen years of experience in software development using Javascript stack (NodeJS + React) and PHP. Besides that, I have DevOps, database, Git, and mobile development background. I have knowledge and experience in project management in technology using Agile, such as XP, Scrum, Kanban, and Lean.

I am also a Ph.D. Candidate in Computer Science at the University of São Paulo. My research is in software engineering and focuses on technical debt prioritization. The main goal is to develop context-adaptive methods using machine learning approaches to prioritize the payment of technical debt items in real software projects.

Education

2023 (expected)	**Ph.D.** in Computer Science	Prioritizing Technical Debt
	São Paulo University, Institute of Mathematics and Statistics (IME-USP)	
2014-2016	**MSc in Computer Science**	Measuring Technical Debt
	São Paulo University, Institute of Mathematics and Statistics (IME-USP)	
2009-2013	**Bachelors in Computer Science**	Technical Debt Overview
	São Paulo University, Institute of Mathematics and Statistics (IME-USP)	

Professional Experience

Since 09-2020	**iRemedy**	Senior Software Engineer
	Development of an e-commerce platform and automation process using NodeJS and React.	
Since 01-2014	**Remote**	Senior Software Engineer and Consultant
	Consultant and remote full-stack software engineer.	
07-2009/12-2013	**Agência Weber**	Software development leader
	Co-founder and CTO. Software development leader.	
01-2007/07-2009	**Inglês 200 horas**	Full Stack Web Developer
	Development of interactive e-learning platform to English courses.	
01-2006/01-2007	**PWI**	Computer Technician
	Technical support on Linux servers and development of maintenance scripts.	

Academic Experience

| since 2019 | **Visiting Researcher** | Prioritizing Technical Debt |
| University of Maryland, Baltimore County (UMBC), Department of Information Systems |

| 01-2019/02-2019 | **Teacher of Summer Course** | IME-USP |
| Introduction to Web Systems Development with PHP |

| 08-2018/12-2018 | **Professor Internship** | IME-USP |
| Extreme Programming Laboratory Course |

| 08-2017/12-2017 | **Professor Internship** | IME-USP |
| Extreme Programming Laboratory Course |

| 02-2017/07-2017 | **Professor Internship** | IME-USP |
| Mobile Computing Course |

| 08-2015/12-2015 | **Professor Internship** | IME-USP |
| Extreme Programming Laboratory Course |

| 02-2015/07-2015 | **Professor Internship** | IME-USP |
| Mobile Computing Course |

| 08-2014/12-2014 | **Professor Internship** | IME-USP |
| Programming Laboratory II Course |

Publications

07-2022 **Sonarlizer Xplorer: a tool to mine Github projects and identify technical debt items using SonarQube** 2022 IEEE/ACM International Conference on Technical Debt (TechDebt)

05-2022 **Prioritizing Technical Debt - An Machine Learning Approach** Technical debt prioritization: a developer's perspective

10-2021 **Technical Debt Prioritization: Taxonomy, Methods Results, and Practical Characteristics** 47th Euromicro Conference on Software Engineering and Advanced Applications (SEAA)

05-2017 **Effects of Technical Debt Awareness: A Classroom Study** International Conference on Agile Software Development