

HELICIO PANDELO

TECH LEAD
INTERVIEWER
BACKEND SOFTWARE ENGINEER

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CERTIFICATIONS

Scrum Fundamentals Certified™

SCRUMSTUDY - ID: 608958

Certified ScrumMaster®

SCRUM ALLIANCE - ID: 84102

SOFT SKILLS

Leadership Spirit
Ownership Sense
Scrum/Agile
Analytical Code Review

BEST PRACTICES

Clean Code
DRY / KISS / YAGNI
SOLID

LEARNING NOW

Clean Architecture
Domain-Driven Design [DDD]
JS Meta-Programming (near future)

TECHS OF INTEREST

NodeJS (with Javascript or Typescript)

OTHER TECHS I'VE ALSO WORKED FRONTEND

Javascript (Pure/Vanilla)
TypeScript
Bootstrap
AngularJS & 2+
ReactJS
NextJS

BACKEND

PHP / Java / .NET C#
Python / Ruby / C++

MOBILE

PWA
Ionic / Cordova
AngularJS / v2 / v4
Android [Native/Java]

IOT/EMBEDDED DEVICES

Arduino
Raspberry PI / Intel Galileo
XBEE Radios & Mesh Networks

TOOLS & VERSIONING

GIT / SVN
Gitlab / BitBucket / Github

SUMMARY / COVER LETTER

- BSc in Information Systems with more than 8 years of professional experience in Software Engineering, mainly as FullStack Web Developer but also experienced a bit of Mobile, Game development and Embedded Devices/IoT.
- Experience working with Proof of Concepts & Technology Research, Large Scale Software (Global-wide distributed), and Legacies.
- Solution & User Driven, not only a "coding machine", it means, really involving myself with the product.
- Hungry to learn and teach technologies and good practices and a huge team support spirit.
- Involved with **leading**, mentoring, onboarding and supporting team members.
- **Interviewer** with a "strict" script, to help filtering the best candidates.
- Considering a programming language as a tool, I'm able to support everything the company needs.
- Changing from a generalist FullStack profile to a specialist in the backend with NodeJS (Javascript/Typescript).

CURIOUS FACTS - ETHICAL HACKING

- 2019 - Discovered and Reported to Alpagatas S/A a huge breach on the company's CRM that could make a common logged user be able to perform a complete CRUD operation via API requests, opening the possibility of data exposure of almost 345k customers. *The company already fixed this breach and nobody outside Alpagatas (and who reads this CV) knows that since I haven't published anything about it, preventing the company's reliability from being affected.*
- 2021 - Found a similar breach in Marília's Town Hall system, exposing more than 78k of people's data. It was reported to prevent it be used/explored by bad hackers

EDUCATION

BACHELOR OF SCIENCE IN INFORMATION SYSTEMS (2017)

UNIVEM - Centro Universitário Eurípides de Marília

- **Course work:** "IoT and Wearable Devices Applied on Healthcare Area" - A solution to detect and report human falls instantly using Smartwatches with Android Wear

ACHIEVEMENTS

- Class Representative
- Course work rated as 10/10
- The highest average score of the last period
- Local Press Mention [pt-BR]: https://bit.ly/TCC_JornalDaManha

JOB HISTORY

2022 - Current - TECH LEAD / BACKEND SOFTWARE ENGINEER

META IT LTD

JAN/2022 - Current - KraftHeinz Company - North America (EUA & Canada)

www.whatscooking.com | www.allotta.io

- Leading & Mentoring the Backend engineering team (3 devs)
- Interview new team members
- Refactored the Backend Softwares from procedural Javascript to well structured and OOP Typescript
- Introduced Unit Tests (88% coverage with USEFUL tests)
- Introduced Integration tests (target: to cover at least the scenarios used on FE)
- Lead best practises until reached the target of -5% of bugs in Backend
- Providing solutions in software engineering for What's Cooking / Allotta platform from KraftHeinz North America
- Best Coding Practices evangelism like Clean Code, KISS/DRY/YAGNI
- Always looking to make a scalable and reliable solution to support the whole new wave of users that's coming
- Refactoring API Gateway from an "spaghetti" code written in procedural Javascript to Typescript using all best practises together with some design patterns like Singleton, Factories, Adapters, Repositories.. etc
- Evangelism of Code Review practices to improve the Code Quality

Technologies: **NodeJS v16** with Javascript & Typescript + a bit of NestJS, Jest, Postgres, Contentful (Headless CMS), Cloudinary, Algolia, GraphQL + REST

2021 - FULLSTACK SOFTWARE ENGINEER CONSULTANT

NTT DATA CORPORATION

SEP/2021 - DEC/2021 - AB-Inbev (BEES) - EUA & Brazil

- Solutions in software development/engineering via outsourcing
- Team Support on Onboarding of all new team members
- Team leading of "Matrix Team" (16 devs divided in 3 PODs)
- Created the 1st full Environment Setup script (made in Shell Script)

Technologies: **NodeJS**, ReactJS + NextJS, MongoDB

2017 - 2021 - SOFTWARE DEVELOPMENT SPECIALIST

DAITAN LABS S.A

DAITAN LABS was acquired in 2021 by ENCORA DIGITAL INC, and now It's called ENCORA BRAZIL

MAIN DUTIES & ACTIVITIES

- **Mentoring** of interns (Luan Orlandi and Rafael Wada)
- Technical Interviews (Javascript, NodeJS, and ReactJS related)
- Huge Team Support (Acting sometimes as **Tech Lead**)
- **Global Demos** Presenter
- Full-Stack Software Engineering for **Global Scale** Softwares
- Code Reviews and Best Practises Evangelism

JUN/2020 - SEP/2021 - Customer: SS8 Networks Inc - (Milpitas, CA - USA)

- Providing solutions, features, and bugfixes for his legacy software (XMS - Xcipio Management System)
- Looking to keep a stable and global scaled software by providing all the best practises possible

Technologies: Java, GWT, SmartGWT

Tools: Git, Bitbucket, Jira, and Confluence

APR/2017 - JUN/2020 - Customer: 8x8 Inc - (San Jose, CA - USA)

- Providing solutions, features, and bugfixes for his legacy software (VCC: Virtual Contact Center)
- Directly involved to make the new Contact Center UI became real (https://bit.ly/VCC_NewUI)
- Involved with the PHP Migration from v4 to v7
- Provided Innovative solutions into a retro compatible system (e.g.: a performative lazy load system from scratch with pure JS, full reskin of internal DevOps/Sysadmin tools, reactive variable watching from legacy system to ReactJS stuff, etc)
- Frontend development with ReactJS + Ant Design integrated with legacy parts using an almost transparent way (without letting the user feel the difference in UI)

Technologies: ReactJS, Javascript (Pure/Vanilla + SmartClient v9), PHP 4 & 7 and Java (+ a bit of Ruby).

Tools: Git, SVN, Gitlab, Jira, Confluence, Crucible

ACHIEVEMENTS

- Participation in Daitan Devweek presenting "**NodeJS Zero to Hero**". A presentation about NodeJS how to start, main features, and frameworks
- Participation in Customer's Hackathon - Project: Octopus - A Chatbot/Virtual Agent for Contact Center reducing the money spent by hiring human agents and accelerating the customer
- Participation in Customer's Hackathon - Project: LeanOEM - A Smart organization of localized files improving development productivity. Was reduced by 10% the build time, 30% the developer environment setup, and 70% the time to introduce new localized features/resources and as a consequence, it reduced the chances of bugs during this process - Awarded Project and In Production

AWARDS (DAITAN RECOGNITION PROGRAM)

- **2019** - Due to outstanding work on the customer Global Demo to 8x8, being able to demonstrate a very complex feature in a short time and with such clearness. Customer Product Director and Engineering VP gave their kudos for the high standard set.
- **2018** - Due to having implemented a very extensible solution for a bug in a very short time and did a very good preparation for the Global Demo session. The solution demoed caused a very positive reaction from the audience.
- **2017** - Due to my role in the defect fixing for v9.5.1 (of Virtual Contact Center product), helping the team in getting all Frontend defects fixed and to be very committed to our target dates.

2016 - 2017 - FULLSTACK ENGINEER

CIAG CENTRO DE INOVAÇÃO NO AGRONEGÓCIO (AGRIBUSINESS INNOVATION CENTER)

2015 - 2017 - INTERN - FULLSTACK ENGINEER

MÁQUINAS AGRÍCOLAS JACTO S/A (JACTO AGRICULTURAL MACHINERY)

Former Jacto Technological Researches Lab was turned into **CIAG** as a separated Non-Profit Organization

MAIN DUTIES & ACTIVITIES

- Full-Stack Software Engineering
- Software Architecture and Technologies Definition
- Technological Researches
- Code Reviews and Best Practises Evangelism
- Acquired great experience with PoC (Proof of Concepts) and MVP (Minimum/Most Viable Product) development.
- Evangelism and implementation of Restful APIs with **NodeJS** (initially with SpringBoot Framework) and architecture best practices and frontend with AngularJS, SPA (Single Page Application) pattern, and Hybrid mobile applications (initially with Intel XDK/Cordova and after with Ionic). When I started, was everything done using Java JEE with JSP + Bootstrap library
- Responsible for receiving the software requirements, analyzing, discussing, and defining the software architecture (flows, tools, databases, and languages), selecting and **leading the team** during the whole development cycle. Acting like a tech lead + a bit of a software architect.
- Development of Native Android applications used by patrimonial security companies, using resources like GPS, locking access to common phone resources and functionalities (to keep the application always running and preventing bad usage from the bad intentioned employees) and another application used to control via Bluetooth devices used into the pulverization of agricultural plagues (Press info: <http://bit.ly/DJB20s>).
- Development of IoT M2M communication via DigiMesh™ Network by using XBEE radios and Arduino, including the **picture transfer** using it together with a gateway/middleware.. yeah.. I've sent **Pictures** using XBEE :D
- Reduced an internal project (Smart Trap) cost by 14 USD (representing 70% of total cost)

Technologies: **NodeJS**, Loopback ORM, Ionic, Native Android, Redis, MongoDB, MySQL, AngularJS and Angular v2, Java v6 and v8

Complementary Technologies: JSP, Bootstrap, jQuery/AJAX, Python, Apache Cordova

Tooling: Git, Taiga.io, TWiki

** As a volunteer, I made a C# utility to convert massive data files (used in a Spectrophotometric system) into a simple and readable CSV that can be used to detect the composition of the respective analyzed soil sample*

2009 - 2012 - FULLSTACK ENGINEER

IDEEN SOFTWARES (FORMERLY ALPHANET GROUP BRAZIL) [SELF-EMPLOYED]

- Responsible for the design, development, and deployment of solutions like websites/landing pages and control panels/dashboards using PHP.
- Maintenance of the core server of an RPG game with eAthena (Based on C++ Language), and customization of system tools using LUA Language.
- In 2010, the AlphaNET group started to work with eCommerce pages based on Prestashop.
- My duties during this time were to sell, implement the design, and deploy the pages/web stores on the cloud host. Like a "one-man-army".

Technologies: C++, PHP, LUA, MySQL, VPS

Other jobs fewer relevant for the position are available on my LinkedIn profile or I can provide them if requested