HELCIO PANDELO

FULLSTACK SOFTWARE ENGINEER / TECH LEAD
BACKEND-HEAVY

WORLDWIDE B2B CONTRACT READY

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SUMMARY

- 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 with Proof of Concepts & Tech 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, good practices, and a huge team support spirit.
- Involved with leading, mentoring, onboarding, hiring, and supporting team members.
- Interviewer with a "strict" script, to help on filtering the best candidates.
- Changing from a generalist FullStack profile to a specialist in the backend with NodeJS (Javascript/Typescript).

EDUCATION

BACHELOR OF SCIENCE IN INFORMATION SYSTEMS (2017)
UNIVEM - Centro Universitário Eurípides de Marília

- Coursework**:** "IoT and Wearable Devices Applied on Healthcare Area" – A solution to detect and report human falls instantly using Smartwatches with Android Wear
- Local Press Mention [pt-BR]: https://bit.ly/TCC_JornalDaManha

CERTIFICATIONS

- 2018 - Certified ScrumMaster® - SCRUM ALLIANCE - ID: 84102
- 2018 - Scrum Fundamentals Certified™ - SCRUMSTUDY - ID: 608958

CURIOUS FACTS - ETHICAL HACKING

- 2019 - Discovered and Reported to Alpargatas S/A a huge breach on the company's CRM that could make a common logged user able to perform a complete CRUD operation via API requests, opening the possibility of data exposal of almost 345k customers.
  The company has already fixed this breach and nobody outside Alpargatas (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 Marilia's Town Hall system, exposing more than 78k people's data. It was reported to prevent it be used/explored by crackers.

SKILLS

- **BEST PRACTICES:** Clean Code / DRY / KISS / YAGNI / SOLID
- **TOOLS & VERSIONING:** GIT / SVN / Gitlab / BitBucket / Github

OTHER PAST EXPERIENCES SKILLS

- **FRONTEND PAST EXPERIENCES:** Javascript (Pure/Vanilla) / TypeScript / Bootstrap / AngularJS & 2+ / ReactJS / NextJS
- **BACKEND PAST EXPERIENCES:** PHP / Java / .NET C# / Python / Ruby / C++
- **MOBILE PAST EXPERIENCES:** PWA / Ionic / Apache Cordova / Android [Native/Java] / Intel XDK
- **IOT/EMBEDDED DEVICES:** Arduino / Raspberry PI / Intel Galileo / XBEE Radios & Mesh Networks

PROFESSIONAL EXPERIENCE

2023 - TEAM LEAD / FULLSTACK SOFTWARE ENGINEER
IDEEN SOFTWARES LTDA (in B2B contract with) SCRUMLAUNCH LLC

JAN 2023 - Current → Client: VITAL Card Inc - (USA) - www.vitalcard.com
- Team Lead: Acting as a "Hands-on" Engineering Manager
- Introduced the VitalCard Team Wellness and expectations alignment survey
- Introduced & Conducted retrospective sessions (Scrum ceremony) with reetro.io
- Scaffolding of new website with NextJS 13 (with new Server/Client Components usage)
- Refactoring of the Backend to apply SOLID and Clean Code concepts

Technologies & Skills: NodeJS v18 with Javascript & Typescript, KoaJS, AWS, NextJS 13 (NodeJS + ReactJS)

2022 - TECH LEAD / BACKEND SOFTWARE ENGINEER
IDEEN SOFTWARES LTDA (in B2B contract with) META IT LTD

JAN 2022 - DEC 2022 → Client: KraftHeinz Company - North America (USA & Canada) - www.allotta.io
- Led & Mentored the Backend engineering team (3 devs)
- Interviewed new team members
- Refactored the Backend Software 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)
- Led best practices resulting in reducing the huge amount of bugs to less than 5% of total project bugs in the Backend
- Provided solutions in software engineering for the What's Cooking / Allotta platform from KraftHeinz North America
- Evangelist of Best Coding Practices using SOLID, Clean Code, KISS, DRY, and YAGNI concepts
- Compromised making a scalable and reliable solution to support the whole new wave of users that's coming
- Refactored API Gateway (Midtier) from a "spaghetti" code written in procedural Javascript to Typescript using all best practices together with some design patterns (Singleton, Factories, Adapters, Repositories.. etc)
- Evangelist of Code Review practices to improve the Code Quality

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

2021 - FULLSTACK SOFTWARE ENGINEER CONSULTANT
IDEEN SOFTWARES LTDA (in B2B contract with) NTT DATA CORPORATION

SEP 2021 - DEC 2021 → Client: AB-Inbev (BEES) - USA & Brazil - www.bees.com
- Provided solutions in software development/engineering via outsourcing
- Supported new team members during Onboarding processes
- Led "Matrix Team" with 16 devs divided into 3 PODs
- Created the 1st full Environment Setup script (made in Shell Script) - reducing the environment setup from almost 2 days to less than 30 minutes

Technologies & Skills: NodeJS, MongoDB, Shell Script

2017 - 2021 - SOFTWARE DEVELOPMENT SPECIALIST
DAITAN LABS S.A - * acquired in 2021 by ENCORA DIGITAL INC

MAIN ACHIEVEMENTS

- **Mentored** interns (Luan Orlandi and Rafael Wada) until to get hired and during his "Junior" level
- Technically Interviewed a lot of candidates (Javascript, NodeJS, and ReactJS related)
- Supported the team for several moments, acting as a **Tech Lead**
- Presented **Global Demos** with client-side company members from EUA, UK, Brazil, India, and Romania
- Provided full solutions as Fullstack Software Engineering for **Global Scale** Software
- Provided Code Reviews and Best Practises Evangelism
- 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. The customer Product Director and Engineering VP gave their kudos for the high standard set. - Awarded by Luciano Favaro (Project Manager)

- **2018** - Due to having implemented a very extensible solution for a bug in a concise time and did an excellent preparation for the Global Demo session. The solution demoed caused a very positive reaction from the audience. - Awarded by Luciano Favaro (Project Manager)

- **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. - Awarded by Luciano Favaro

JUN 2020 - SEP 2021 → Client: SS8 Networks Inc - (Milpitas, CA - USA) - www.ss8.com

- Provided solutions, features, and bugfixes for his legacy software (XMS - Xcipio Management System)
- Looked to keep a stable and globally scaled software by providing all the best practices possible

Technologies & Skills: Java, GWT, SmartGWT
Tools: Git, Bitbucket, Jira, and Confluence

APR 2017 - JUN 2020 → Client: 8x8 Inc - (San Jose, CA - USA) - www.8x8.com

- Provided solutions, features, and bugfixes for his legacy software (VCC: Virtual Contact Center)
- Directly involved in making 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, whole reskin of internal DevOps/Sysadmin tools, reactive variable watching from legacy system to ReactJS stuff, etc)
- Provided 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 & Skills: ReactJS, Javascript (Pure/Vanilla + SmartClient v9), PHP 4 & 7, and Java (+ a bit of Ruby).
Tools: Git, SVN, Gitlab, Jira, Confluence, Crucible

2015 - 2017 - FULLSTACK ENGINEER
MÁQUINAS AGRÍCOLAS JACTO S/A (JACTO AGRICULTURAL MACHINERY)
CIAG CENTRO DE INOVAÇÃO NO AGRONEGÓCIO (AGRIBUSINESS INNOVATION CENTER)

The former Jacto Technological Researches Lab was turned into CIAg as a separate 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), and selecting and **leading the team** during the whole development cycle. Acting as 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 using XBEE radios and Arduino, including the picture transfer 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 the total cost)

Technologies & Skills: **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. (archro.net)

- 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 as a "one-man army" company.

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

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