

# Curriculum Vitae – Pedro Palma

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## Software Developer – Backend / Fullstack developer

As a backend developer, I will be able to design, develop and test applications, REST API's, and integrate external services into the application under development using NodeJs, Java (Spring Boot), or PHP. As a frontend developer, I will be able to build responsive user interfaces with HTML, CSS, JavaScript and commonly used frameworks. I will help materialize user stories into software working together with a team using Agile methodologies, that aims to deliver in short incremental cycles.



## Experience as Software Developer:

I've been working at BusinessMate ([www.businessmate.dk](http://www.businessmate.dk)) since **01/2021 - 06/2022**, as a part-time software developer. Some of my tasks were helping building and testing modules to be integrated in the core application. These modules would handle interactions between third party services like Twilio, Slack for example, and the core application, using these services API's. We have been using NodeJS with JavaScript and Typescript, MariaDB, and libraries like Jest. Tools like Postman, Docker Git and GitHub are also used.

During this period, I have also been exploring the Azure Machine Learning platform, trying to build experiments that use large datasets of emails for analysis and prediction.

I did an internship in a startup ([www.seasony.dk](http://www.seasony.dk)) for a period of 3 months, from **08/2020 - 11/2020**, part of my AP Degree in Computer Science. Some of my tasks were to build an Admin dashboard that could be used to manage resources related to the product the company was developing. I used NodeJS, MongoDB and React. (Referral letter available, upon request)

## Education:

**01/2021 – 06/2022    Software Development Top Up. Focus areas:**

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|------------------|--|
| <b>Backend:</b>  | <ul style="list-style-type: none"><li>- Databases (MySQL, Postgres, MongoDB)</li><li>- Systems Integration</li><li>- Software Design Patterns</li><li>- Testing (JUnit, Jest, Supertest)</li><li>- Java, Spring Boot</li><li>- PHP</li></ul> |
| <b>Frontend:</b> | <ul style="list-style-type: none"><li>- Building UI's with HTML, CSS.</li></ul>  |

**09/2018 – 01/2021    Computer Science KEA. Focus areas:**

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|------------------|---|
| <b>Backend:</b>  | <ul style="list-style-type: none"><li>- Fundamentals of programming languages like Java, Python and JavaScript</li><li>- Spring</li><li>- Node.js to handle server-side with JavaScript</li><li>- Fundamentals of Object-Oriented Programming</li></ul> |
| <b>Frontend:</b> | <ul style="list-style-type: none"><li>- JavaScript, Html, CSS, Bootstrap and jQuery</li></ul>   |
| <b>DevOps:</b>   | <ul style="list-style-type: none"><li>- AWS (Amazon Web Services);</li></ul>  |

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- Docker
- Mobile:** - Android mobile development (using Java)
- Databases:** - Relational and non-relational databases like MySQL and MongoDB
- Google's Firebase database and data storage integration with mobile applications
- CI/CD:** - Git for version control and GitHub to manage repositories
- Continuous integration with Jenkins
- Design** - Agile software methodologies like Scrum or Extreme Programming
- UML diagrams for designing and planning applications
- Agile project management tools like Jira, for an effective team work flow

- Projects:**
- 1<sup>st</sup> semester team project consisted in developing a console-based program to handle a transaction of car wash machine, using Java
  - 2<sup>nd</sup> semester team project consisted in developing a web application for a movie theater ticket sale shop with crud features, authentication and connected to a database, using Java, Spring with html, CSS, bootstrap and MySQL.
  - 3<sup>rd</sup> semester team project consisted in developing a web-based version of the popular card game Blackjack implementing the Scrum methodology to develop the project. Used Java, Spring with html, CSS, jQuery and bootstrap and connecting the application to a MySQL database and deployed online using Heroku.
  - 4<sup>th</sup> semester individual projects and assignments include so far developing android mobile applications using the RecyclerView, camera and Google Maps, integrating them with Google's Firebase database and authentication features. Developed a simple website that could work of as blog. Used node.js JavaScript, html, CSS and jQuery

## Work Experience

As a civil engineer, I have been employed within construction management and worked as a site engineer.

### Construction Management:

#### Tasks:

- Oversaw civil works such as earthworks, reinforced concrete structures, foundations, pavement, and drainage works
- supervision of materials and human resources, ensuring all materials used performed as per specifications
- Liaison with civil designers to ensure development of civil and construction drawings in accordance with project's requirements
- Received and confirmed all approved materials and equipment's on site
- Inspected and validated of material testing (rebar reinforcements, concrete workability, soil compaction tests)
- Produced daily and weekly work progress reports
- Monitored progress of Civil Contractors as per the schedule agreed

- Responsible for site overseeing and coordination of construction works
- Responsible for monthly valuation reports (using CCS-Candy)

**Site Engineer:** - Coordinated production with various company departments, such as the department of equipment's and machinery and the logistics department Costs control, planning and coordination of works

**Tasks:**

- Responsible for the work plans, equipment's charts and work teams (using MS-Project)
- Coordinated all the contractor's teams, cooperate in the costs control, quantity surveying, verification and adapt work plans making sure works are done in time

### Employment Time Line:

- 2017 - 2018 Site Engineer, Oliveiras SA, work place: Portugal**  
Project: Construction of a Water Treatment Plant for the city of Faro
- 2017 Construction inspector, Pengest /EDP, work place: Portugal**  
Project: Construction of a Power Plant for a Sakhti SP21 factory
- 2014-2016 Construction inspector, VHM: work place: Portugal**  
Projects: Construction of water supply systems and irrigation networks
- 2013-2013 Site Engineer, UR/GEG: work place: Iraq**  
Project: Construction of a sports complex
- 2011-2013 Site Engineer, GRUPO ACA, AngolACA - work place: Angola**  
Projects: Construction, rehabilitation and extensions of water supply systems
- 2010 - 2011 Nível 20 - Estudos Projetos e Obras - work place: Portugal**  
Project: Construction of a Senior Citizens Residences with a Medical Center

### Previous education:

2000-2008 Integrated **Master Degree in Civil Engineering**, University of Coimbra, Portugal  
Specialization area: Structures

### Courses:

- *Udemy course: E-commerce website with Java Spring and Angular (ongoing)*
- *IELTS international English Language Testing System*

**Voluntary Work:**

- Mentoring student at KEA with learning difficulties
- Volunteer at "Re-food" to help stopping food waste by re-distributing it to people in need

**Languages:****Linguistic knowledge:**

- Portuguese – native language
- English – advanced level both orally and written
- Spanish – rudimentary level

**Hobbies:**

I like to practice ashtanga yoga and try to keep a regular practice, usually in the morning, before the day starts. Another recent interest of mine before moving to Denmark was surf. I really like going to the ocean and being in close contact with nature.

Learning new technologies and build something with them.

**Personal information:**

Address: Amagerbrogade 268, 2300 København

Born: 1981, Coimbra, Portugal

Nationality: Portugal