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PROFILE

I define myself as a digital transformation leader. Having a double degree in wind turbine systems and civil engineering, I have spent most of my career implementing, architecting and designing engineer solutions as a software products. I currently focus on software engineering and have more than 5 years developing java entreprise cloud based applications. I perform as Scrum Master where I groom, plan and execute action plans for achieving an accurate predictability when it comes with Scrum iterations.

On the technical side I have solid understanding of Java frameworks (Spring), DevOps (GitHub, Ansible and CloudFormation, AWS CodeBuild and Pipeline), security protocols(OAuth2), software package management (Gradle), Docker containers, Kubernetes, multiple language skills (Java, kotlin, python, bash, typescript), database management (postgresql), good competences in Linux administrative systems and high knowledge of AWS cloud architecture concepts (AWS Solutions Architect certification).

I consider myself as a self-motivated, with high problem solving skills, independent person that works effectively with people accross cultures. Always showing positive attitude towards new changes and challenges and promotes personnel promoting teamwork.

In the past I have been a semi-professional basketball player (also played in the first danish leage Bas- ketligaen for several years) which provided me solid leadership skills. My colleagues see me as a realiable, trustworhy, communicative person that also knows to delegate when necessary. I build trust and synergy by leading by example within my teams.

EDUCATION

August 2014 — **Denmark Technical University**
Lingby — *Msc Wind Turbine Engineering*

· The aim of the program is to gain an in-depth knowledge of aerodynamics, aero-elasticity, mechanics in order to qualify, analyse, design, develop and operate wind turbine models.

July 2012 — **Polytechnic University of Catalonia**
Barcelona — *Bsc and Msc Industrial Engineering*

· The studies were focused to acquire a multidisciplinary scientific and technological base which enabled the analysis, modelling, programming, calculation and the design of products and process facilities. The Msc was focused on structural engineering calculation.

EXPERIENCE

May2020 — **General Electric Renewables**
Barcelona,SP — *Software Egnineer*

· Develop AWS cloud native web applications to provide flexible, scalable and reliable wind turbine systems simulations.
· AWS infrastructure maintenance. Responsible for monitoring the entire AWS resource inventory and troubleshoot when needed.
· Support backend (Java, kotlin + Spring) and front end (angular + typescript) development as well as implement CI/CD deployments.
· Apply Spring Security Oauth2 protocol to secure web application
· Maintain and develop build automation tools (Gradle) for package management and dependency management purposes.

· Scrum Master

May2019 **General Electric Renewables**
Barcelona,SP *Loads Engineer and Tools Developer at GE Renewable Energy*

· Perform wind resource and mechanical loads assessment leading to project execution.
· Perform aeroelastic simulations with Simpack Flex5 wind turbine models for loads mitigation and performance optimization
· Lead Tools development process for better postprocessing loads simulations
· Provide technical sales support attending customer meetings and conferences.

July 2015-May2019 **Bruel Kjaer Vibro**
Copenhagen,DK *Vibration Data/Analyst*

· Perform predictive analysis on vibration signals received by Condition Monitoring system installed on wind turbine drive trains.
· The role mixed multiple discipline: IT, Unix system maintenance, python analytics and mathematics.
· Research of new algorithms for time series forecasting through ARIMA models.
· Published, as second author, a paper called: "Prognosticating fault development rate in wind turbine generator bearings using local trends models"
· Provide technical sales support attending customer meetings and conferences.

February 2015-July 2015 **Blade Dynamics**
Southampton, UK *Loads and Aerodynamic Engineer*

· Loads and vibration analysis of large modular wind turbine blades.
· Loads and aeroelastic simulations of large wind turbine models.

June 2013- December 2013 **Siemens Wind Power**
Taastrup/Ballerup *Internship*

· Create a user interface (GUI) in Matlab for the post processing of wind tunnel measurements of 2D airfoil polars.
· Data inspection and implementation of final wall corrections polars.
· Flexibility design for processing varying wind tunnel measurement configurations.

May 2010-December 2011 Alstom Wind S.L.
Barcelona *Internship*

· Wind data analysis.
· Calibration and orientation of sensors, transfer functions.
· Processing text files using scripts and commands in Awk.
· Processing and graphical representation of wind parameters in R-Cran.

CERTIFICATES

- AWS Solutions Architect
- Applied Machine Learning in Python by University of Michigan on Coursera.
- Neural Networks and Deep Learning by DeepLearning.ai on Coursera.
- Applied Plotting, Charting and Data Representation in Python by University of Michigan on Coursera.
- Machine Learning by Standford University on Coursera.
- Convolutional Neural Networks

- Structuring Machine Learning Projects
- Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization
- Neural Networks and Deep Learning
- Vibration Analyst Category III by Mobius Institute.

LANGUAGES

- Catalan: Native
- Spanish: Native
- Danish 3rd Module.
- English: Advanced level.
- French: Delft A4.

VOLUNTEERING

Basketball Coach 2008,2009,2011

Siemens and Maersk Case Competition at Denmark Technical University

ACTIVITIES

I have a great passion for team sports. I have played in the most relevant teams in my country when I was from 12-18 and been selected by the national team several times. Also played as a semi-professional basketball player for several years.