

Janus Bo Andersen

Danish citizen, married to Singaporean. LTVP-Plus holder, eligible to work in Singapore on LOC. Pursuing PR.

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EDUCATION

B.ENG. ELECTRONICS: SOFTWARE AND EMBEDDED

6th sem. (2018 – 2021) | Aarhus University

Top of the year with current GPA 11.9 (12-point scale).

Selected recent projects:

- Remote-controlled lab equipment with dockerized Django/Postgres/Nginx backend, responsive web frontend and MQTT-comms.
- Smart energy metering with WM-Bus and Cloud.
- Hardware accelerated machine learning on Xilinx SoC for fast, low-power edge-processing.
- Computer vision, 3D reconstruction and image depth-segmentation using multiple views.
- Quadrotor control system development.

M.SC. FINANCE (CAND.MERC.)

2009 | Aarhus University

Top of the year with GPA 11.5 (12-point scale).

- Master's thesis: Commercialization of Microfinance.
- Focus on corporate finance, financial engineering, quantitative methods, statistics, econometrics.
- Business in China case comp. with BCG, Novozymes.

B.Sc. ECONOMICS AND BUSINESS (HA)

2007 | Aarhus University

Highest GPA of the year of 10.6 (old scale).

- Bachelor's thesis: Interest term structure models.
- McKinsey Award and Scholarship 2007 (first prize for best result of the B.Sc. education).
- Exchange at Singapore Management University.

TECHNICAL SKILLS

Software dev.: Languages, build, test systems

C, C++11/14/17, Python 3, Bash/sh, VBA • CMake 3.x

• GoogleTest, Catch2 (C++) • Unittest, PyTest (Py)

Cloud, Linux, DevOps, Databases, Web

AWS • Oracle Linux 7, CentOS 7, Ubuntu 18.04, 20.04

• Git, Github, Docker, compose • PostgreSQL, MongoDB

• Django, Flask (Py), Nginx, HTML5/CSS/Bootstrap 4

• MQTT, TCP/IP

Analysis, Machine Learning, DSP, Computer Vision

Matlab Toolboxes: Symbolic Math, Filter Design, DSP,

Image Processing, Computer Vision, Control System •

Python libraries: NumPy, SciPy, Pandas, Scikit-learn,

Keras, Matplotlib, Seaborn • C++/Py: OpenCV • SAS:

BASE, STAT, IML • SAP: FI/CO, BW

Embedded MCU, DSP

FreeRTOS • Freescale (Arm Cortex-M0+), Beagle

(Cortex-A8) • TI C5535 DSP • CAN, I²C, SPI, UART

Embedded SoC, FPGA

VHDL, HLS/SDS • Xilinx Vivado, SDK, SDSoc, Vitis •

Xilinx Zynq-7000 SoC (Cortex-A9 and Artix-7)

Languages

Danish native • English fluent • German proficient

(B2/C1) • Mandarin basic.

SELECTED WORK EXPERIENCE

INDEPENDENT DEVELOPER AND CONSULTANT

2016-2017 | Remote, international

- Developed a communications and productivity tool for an industry-leading pharma company. Still in use.
- Visual identity design, user-tested UI/UX, system integration to backend for fast data retrieval.

NOVO NORDISK PHILIPPINES | HEAD OF FINANCE, LEGAL, LOGISTICS & IT

2014 – 2016 | Manila, Philippines

- Turn-around in affiliate with new management team, market launch of new pharmaceutical products and growth investments.
- Built and led department of 10 employees, focus on employee performance and development.
- Responsible for finances and budgets, ensuring that ambitious growth targets for sales and profits were reached two years in a row.
- Drove improvement projects in planning, accounting, reporting and logistics processes.
- Significant step-up in professionalism of operations and employee conditions as well as implementation of business ethics program.

NOVO NORDISK A/S | FINANCIAL RISK MANAGER

2011 – 2014 | Corporate Treasury, Bagsværd

- Driving capital structure mgmt. through recommendations to executive management and board of directors, and subsequent implementation.
- Currency hedging; strategy and execution in re. to company exposure and mandate from board.
- Responsible for project to implement a quantitative currency hedging and risk management model in cooperation with McKinsey and PwC.
- Analyses of political and market developments.
- Daily leadership of department graduate.
- Liaising with core banks for operations and tenders.

NOVO NORDISK A/S | GLOBAL FINANCE GRAD.

2009-2011 | Denmark, India, China

- The Graduate Program is a 2-year international talent program with rotations in four areas of Novo Nordisk's global finance org.
- Project mgmt. within "internal management consulting". Finance Projects, Denmark.
- Controlling and reporting, and distributor mgmt. Beijing, China.
- Off-shoring of financial processes from HQ and affiliates, change management. Bangalore, India.
- Measurement and reporting of enterprise risks in re. budgetary and strategic goals. Novo Nordisk Risk Office, Corporate Financial Planning, Denmark.

JYSKE BANK A/S | QUANT. ANALYST

2007-2009 | Quantitative Research, Silkeborg

- Development, implementation and testing of credit risk models on bank's loan portfolio.