

Janus Bo Andersen



LTVP-Plus holder eligible to work on LOC. Singaporean spouse.
Software and embedded developer with strong interest in computer vision,
digital signal processing and SoCs. Solid quantitative finance background.

DETAILS

Residence
Living in Sg with Singaporean spouse.

Holding LTVP-Plus valid through 2025
and can work on LOC.

Pursuing PR.

Danish/EU citizen.

CONTACT

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Github
github.com/janusboandersen

LANGUAGES

Danish native
English fluent
German advanced (B2/C1)
Mandarin basic

PROFILE

Aiming to transition into a developer or engineer role in the tech start-up sector in Singapore and looking for internship role in an exciting company working on hard problems. I have a proven track record in finance, and I decided to pursue my passion for tech and for building things by now completing a degree in software and embedded systems. I particularly enjoy systems engineering, computer vision systems, implementing and optimising algorithms, making them run fast on hardware, working with large data sets, statistics and machine learning.

EDUCATION

B.Eng. in electronic engineering: Software and embedded

2018 – 2021 | Aarhus University, Denmark

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

Selected recent projects:

- Computer vision, 3D reconstruction and image depth-segmentation using multiple views.
- Hardware accelerated machine learning on Xilinx SoC for fast, low-power edge-processing.
- Quadrotor control system development.
- Lab equipment-as-a-service over MQTT with Dockerized micro-services backend stack Django/Postgres/Nginx, responsive frontend.
- Smart energy metering with WM-Bus and Cloud.
- Many other projects within Cloud, embedded, DSP, etc.

M.Sc. Finance

2009 | Aarhus University, Denmark

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

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

B.Sc. Economics and Business

2007 | Aarhus University, Denmark

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

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

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 today.
- Visual identity design, user-tested UI/UX, system integration to backend infrastructure for fast data retrieval.

Novo Nordisk Philippines | Head of Finance, Legal, Logistics & IT

2014 – 2016 | Manila, Philippines

- Drove turn-around in affiliate with new management team.
- Planned and ensured significant investments for three-year period, enabling launch of new pharmaceutical products, headcount increases and investments in the market.
- Responsible for finances and budgets, ensuring that ambitious growth targets for sales and profits were reached two years in a row, and maintaining affiliate funding and cash position.
- Built and led department of 10 employees, with focus on employee performance and development.
- Implemented significant step-up in professionalism by projects in accounting, planning, reporting and logistics processes, as well as training and anchoring business ethics.
- Instituted improvements in employee conditions and company image, among other by driving office relocation project and deployment of a car fleet for the sales force and management.

Novo Nordisk A/S | Financial Risk Manager

2011 – 2014 | Corporate Treasury, Denmark

- Drove capital structure management through recommendations to the executive management and board of directors, and subsequent implementation in the market via share buybacks, stock splits, etc.
- Drove currency hedging with OTC traded derivatives, responsible for strategy, planning and daily execution in response to changes in company exposure.
- Project responsible to implement a quantitative currency hedging and risk mgmt. model with McKinsey and PwC.
- Recurring and ad hoc analyses of political and market developments, communication to senior management.
- Liaising with core banks for operations and tenders.
- Daily leadership of department graduate.

Novo Nordisk A/S | Global Finance Graduate

2009-2011 | Denmark, India, China

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

Jyske Bank A/S | Quant. Analyst

2007-2009 | Quantitative Research, Denmark

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

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/Sockets

Analysis, Machine Learning, DSP, Computer Vision

Matlab: Filter Design, DSP, Image Proc., Computer Vision, Control System • Python: NumPy, SciPy, Pandas, Scikit-learn, Keras, Matplotlib, Seaborn • 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 •

