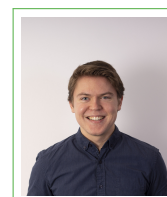


John-John Markstedt

Curriculum Vitae

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Education



2014–2019

Civilingenjörsprogrammet i Teknisk Datavetenskap, Dept. Computing Science, Umeå University.
Master of Science in Engineering, Computing Science



2017–2018

Finance and Business, Macao University of Science and Technology, Macao, China.
Exchange studies in Finance and Business.



2019

Master Thesis, Cinnober, Umeå.
Emergent Routing Strategies in the Lightning Network.
Cinnober was acquired by Nasdaq during my master thesis.

Experience

Vocational



2021–

Software Developer Specialist, Nasdaq, Toronto.

Promoted in December 2021 as the NRTC customization project for OCC were expanded to the Toronto office, and needed someone from Sweden to help the new team get up to speed.

Senior Software Developer, Nasdaq, Umeå.

2021

During the first half of 2021, I took lead on the integration between the two Nasdaq products NRTC and PS. During the integration work, I designed a generalized resilience model for our product integrations. I became scrum master of the NRTC CCP Risk team when our previous team lead went on parental leave. I remained scrum master when he got back.

- The regular responsibilities of a scrum master in a team of 9 members, both developers and BAs.
- Gave status updates up the chain of command.
- Took the technical lead on most tasks given to our team.

2019-2021 **Software Developer Trainee, Nasdaq, Umeå.**

I joined Nasdaq through its trainee-program, which is a normal Software Developer position but with some extra training on the side. During the TOCOM project, I worked closely with the JPX RMS system, which is a customization of the NRTC(Nasdaq Real Time Clearing) product. The project added some of JPX's(Japan Exchange Group) other silos/markets, one being Tokyo Commodities Exchange, to the RMS system. When the project was finished I moved over to work on the NRTC product to build it out for future customization projects.

- Rewrote our migration tool to support the new database system.
- Designed the database migration for the TOCOM release, and went to Tokyo alone to teach JPX how it should be applied to production during go-live.
- Did regular full stack development of new business functionality with some bias towards backend and databases.



CTO & Member of the Board, Arboreal, Umeå/Toronto.

2020- In the annual board meeting in 2020, I was formally voted into the board and my title changed. This change was mostly cosmetic. During the second half of 2020 and 2021, we expanded our Arboreal Forest services including opening up our REST API direct to companies, so the measurements from our app could flow directly in their respective management systems. Also, we signed licensing agreements with some international customers, most notably: Treemetrics, FMM, and Tornator.

The company is still young and in the upstart face, and although the forestry industry got quite more restrictive with their spend on new technology because of COVID, we'll see revenues comfortably above 500,000 SEK during 2022, and the CEO was able to go full time this year without external funding.

2019-2020 **Software Developer, Arboreal, Umeå.**

I joined Arboreal pre-revenue for equity in the company. At the time of joining, Arboreal had only a prototype of a height meter developed for iOS. The app is simple, but very well built and can compete in accuracy with the market leading laser meters, such as the Haglof Vertex retailing for > 3,000 CAD. During 2019, we focused on getting the app in the hands of the forestry companies in Sweden, so we would have a reputation and contacts when our main application, Arboreal Forest, launched; and, of course, developing the application itself. During 2019 and 2020, we signed licensing agreements for the two apps to well known customers including: Sveaskog, Holmen, Martinsson, and all three major forest owner associations in Sweden: Norra skogsägarna, Södra skogsägarna, and Mellanskog. We've also sold more than 10,000 height meters for iOS Direct to Consumer through the app store, and another 1,000 for Android.



Software Developer, ITS, Umeå.

2018 During the summer of 2018, I worked as an intern at ITS for 8 weeks. ITS is responsible for developing and maintaining software for administrative tasks of higher learning in Sweden, such as applying to University, and keeping a record of degrees.

- Integrated Chrome Lighthouse into ITS continuous testing environment
- Designed and implemented a procedure that identified and reduced dependencies between modules with Java Reflection.

Miscellaneous



Software Developer, Transsaccadic Memory AB, Umeå.

2015- Developing and maintaining Tremory.com.



Programming Contest, NW European ICPC, Eindhoven, Netherlands.

2018 Represented Umeå University in the North West European Regional Contest in the International Collegiate Programming Contest after qualifying from Programmering-SM.

2016 **Cycled across Europe**, *Stockholm - Rome, Europe*.

Cycled across 10 European countries, solo and unsupported, in 8 weeks.

Languages

Swedish Mother tongue

English Fluent

Spanish Basic

Computing skills

Languages C, Java, Javascript, PHP, HTML/CSS, Haskell, Bash, \LaTeX , Python

Frameworks React, React Native, MPI

DBMS Postgre/PostGIS, MySQL

Environments Linux, windows and macOS

Other

o Driver's License(B)

References



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