

EDUCATION

- **Faculty of Engineering, Lund University** Lund, Sweden
Master of Science in Engineering, Computer Science and Engineering *Sept. 2017 – Present*

EXPERIENCE

- **Bitiq** Lund, Sweden
Co-founder and developer *Feb. 2018 – Present*
 - **Full-stack development:** Developed a full-stack ticket sales system for local student organizations. Built in Go and deployed to AWS Lambda to ensure scaling with the erratic load a ticket systems has to endure. An iOS app in Swift for users to explore events and buy tickets was also developed as well as a Vue.js web app for non-iOS users. The platform was released during the fall of 2018 and is in use by several student organizations.
- **Advanced Forms** Lund, Sweden
Sole developer *Nov. 2016 – Present*
 - **Development and product management:** Developed an open-source WordPress forms plugin in PHP and grew it to thousands of active installations with a five-star rating. Continuously iterated on the product to fix issues and improve it with help from the community. Monetized by building a paid version in close collaboration with users which was released in June 2018 and well received by the community.
- **Tigerton WordPress Consultancy** Malmö, Sweden
Software engineer. One year full-time and part-time during high school and university. *Nov. 2015 – Present*
 - **Technical lead:** Served as technical lead on multiple projects involving clients and other consultants. Lead development on projects from inception to launch, spanning hundreds of man-hours.
 - **Integrations:** Developed integrations with third-party services such as ERPs, marketplaces, storage services, and payment systems. Integrated against modern REST APIs as well as legacy platforms, often in direct collaboration with senior engineers.
 - **Back-end development:** Designed e-commerce sites and specialized solutions for clients in PHP on WordPress and WooCommerce. Examples include e-commerce search and filtering with Elasticsearch; transactional mail system spanning tens of thousands of recipients; and business-specific platforms for currency hedging, purchasing, and invoicing.
 - **Front-end development:** Built several web apps including: a real-time order management app in Vue.js connected to an e-commerce site through the WordPress REST API; an interactive product customizer in plain Javascript; and an internal dashboard written in React for project management and time tracking.
 - **Performance:** Worked to fix performance issues arising from the ill-conceived database schema of WordPress by designing custom structures with proper indexing and tuned SQL queries. Utilized Elasticsearch to offload expensive queries and improve user experience on search-heavy sites.
- **Pendla** Landskrona, Sweden
Sole developer *Sept 2014 – Jan. 2016*
 - **App development:** Designed and developed an iOS app for viewing your next public transport departure across all of Sweden as a widget in the notification center. Written in Objective-C and released shortly after iOS 7 which introduced widgets for developers. At its height the app was serving 20 000 departures a day and was featured in the publication 99mac. Pendla is no longer available but the old website (in Swedish) has been archived.

OPEN-SOURCE PROJECTS

- **fdb-object-store:** Proof-of-concept for a fault tolerant and scalable object store built on FoundationDB with Go. The design is detailed in a blog post and also discussed in detail with the Apple team on the FoundationDB forums.
- **multi.js:** A user-friendly replacement for select boxes with multiple attribute enabled. Written in plain Javascript with zero dependencies and over 800 stars on Github.
- **Advanced Forms:** WordPress plugin for constructing forms, built on the popular Advanced Custom Fields plugin. Currently deployed to thousands of sites with a five-star rating in the plugin directory.
- **Kapten:** Command line tool in Ruby for creating containerized development environments. Useful to avoid dependency issues and version management.
- **ParallelTask:** Elixir library to run multiple functions concurrently and capture the results.