Fabian Lindfors

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EDUCATION

- **Faculty of Engineering, Lund University**   Lund, Sweden

  Master of Computer Science   *Aug. 2017 – Est. June 2022*
  - **Relevant courses**: Algorithms and Data Structures, Object-oriented Design (Java), Functional Programming (Haskell), Concurrent Programming (Java), Software Development in Teams (Java)

EXPERIENCE

- **MongoDB**   Dublin, Ireland (Remote)

  Software Engineering Intern   *June 2020 – Aug. 2020*
  - Added support for TLS encryption to the <u>open-source Kubernetes Operator</u> in Go. Researched, discussed and implemented a design that would fit in with the Kubernetes ecosystem and make securing a cluster seamless. Also worked on drastically reducing test flakiness and debugging issues arising from combining two distributed systems.
  - Investigated and designed multiple potential architectures for the Operator code base. They were all documented, presented and discussed with the team—laying the groundwork for a major refactoring after the internship.

- **MongoDB**   Dublin, Ireland

  Software Engineering Intern   *June 2019 – Aug. 2019*
  - Lead development on a new <u>open-source service broker</u> in Go for the managed MongoDB service <u>Atlas</u>. Took the product from scoping and review through design, development, and testing to a successful release during the internship. Built a complete suite of unit, integration, and Kubernetes end-to-end tests, together with an automated release process—all running as part of CI.

- **Bitiq**   Lund, Sweden

  Co-founder and full-stack developer   *Feb. 2018 – Mar. 2019*
  - Created a full-stack ticket sales system for local student organizations which was used for several events. Developed a REST API in Go which was deployed to AWS. Utilized PostgreSQL and database transactions to avoid issues during concurrent ticket purchases. Designed and built an iOS app in Swift for users to explore events and buy tickets; a web app in Vue.js for non-iOS users; and a mobile web app for scanning QR code tickets.

- **Advanced Forms**   Lund, Sweden

  Founder and developer   *Nov. 2016 – Present*
  - Developed an open-source <u>WordPress forms plugin</u> in PHP based on my own needs as a WordPress developer. It's now active on thousands of sites with a five-star rating and the <u>Pro version</u> has hundreds of paying customers. Also provided technical support for hundreds of users, helping them integrate the plugin and troubleshoot issues.

- **Tigerton**   Malmö, Sweden

  Full-stack developer. One year full-time and part-time during school.   *Nov. 2015 – Present*
  - Built e-commerce sites and specialized systems for clients in PHP on WordPress and WooCommerce. Examples include: a site with hundreds of thousands of products synced from a legacy system; a mailing platform spanning tens of thousands of recipients; and a platform for purchasing and invoicing processing millions of SEK.
  - Built several web apps for clients including: a real-time order processing app in Vue.js which handled orders for a chain of restaurants; a visual product customizer in plain JavaScript; and an internal dashboard written in React for project management and time tracking.

SKILLS

Languages: Go, Java, Swift, JavaScript, HTML, CSS, PHP, SQL, Ruby, Bash, Python, Objective-C
Databases: PostgreSQL, Redis, MongoDB, MySQL, Elasticsearch
Other: Kubernetes, Git, React, Vue.js, Docker, AWS, Terraform, WordPress

NOTABLE OPEN-SOURCE PROJECTS

- **<u>multi.js</u>**: A user-friendly replacement for select boxes with the multiple attribute. Written in plain JavaScript with zero dependencies. It has over 900 stars on Github and has been downloaded 15 000 times from NPM.
- **<u>fdb-object-store</u>**: Proof-of-concept for a distributed, fault tolerant and scalable object store built on FoundationDB with Go. The design is detailed in a <u>blog post</u> and also discussed with the Apple team on the <u>FoundationDB forums</u>.