

# Karl Lundfall

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## WHAT I KNOW

React • VueJS • Mobile  
UX • NodeJS • Firebase • SQL  
Bash • Docker • AWS • CI/CD practices



## WHAT I STUDIED

### VU UNIVERSITY

MSC IN ARTIFICIAL INTELLIGENCE  
September 2015 | Amsterdam  
*Cum Laude* distinction

### LINKÖPING UNIVERSITY

INFORMATION TECHNOLOGY  
June 2013 | Linköping, Sweden  
Bachelor equivalent

## MY PREVIOUS POSITIONS

### SENIOR DEVELOPER | BLUE HARVEST, CAP GEMINI

April 2018 - January 2019 | Amsterdam, Netherlands

- VueJS
- AWS
- CI/CD
- NodeJS
- Microservice Architecture
- Code Quality reviews

### TECH LEAD / FRONTEND | BIZBOARD

December 2015 - April 2018 | Amsterdam, Netherlands

- Pure Javascript
- Implementing a virtual DOM
- Mobile hybrid (including many native plugins for Cordova)

### BACKEND DEVELOPER | TTC MOBILE

February - July 2015 | Amsterdam, Netherlands

- Developing a retrieval system for summarizing information from different data sources
- NodeJS

### RESEARCH ASSISTANT | VU UNIVERSITY

March 2014 - March 2015 | Amsterdam, Netherlands

- Publishing a paper was later accepted to the conference on ICT4S in Copenhagen, September 2015.
- JavaScript
- PHP

### TEACHING ASSISTANT | VU UNIVERSITEIT

January - February 2014 | Amsterdam, Netherlands

- Machine learning.
- Giving lectures.

### SOFTWARE DEVELOPER | SECTRA

June - Aug 2013 | Linköping, Sweden

- Developing on an error logging system project in Python.

### GROUP SUPERVISOR | LINKÖPING UNIVERSITY

January - July 2013 | Linköping, Sweden

- Responsible for helping a group of students maintaining the working methodology of problem based learning, and preventing them from getting stuck along the way.

# WHAT I'VE WORKED ON

## BACKEND | REPPER

2019

Because of my experience in Firebase, I was hired for a two-day burst to finish as much backend as possible. Quite a lot was finished during the short timeframe and I was happy to help out a cool product.

- Firebase
- NodeJS

## FULLSTACK | NATIONALE NEDERLANDEN (CAPGEMINI)

2018 - 2019 | Amsterdam, Netherlands

I was developer lead in making a large system from scratch with many moving parts. Because of the good chemistry with the people within the company, I also got the opportunity to coach a DevOps cloud team within the same department.

- Code Quality reviews
- VueJS
- AWS
- CI/CD
- NodeJS
- Microservice Architecture

## FRONTEND | THE NINTH BAR

2019

I designed and coded the web site of my band, keeping everything stupid simple.

- Plain HTML/CSS/Javascript
- Design

## AGILE COACH | IKANO

2018

I was involved in preparing a training for the IKANO bank in how to work more agile and follow the scrum process. The work involved re-thinking agile, presenting agile in an understandable way, and drawing some educative illustrations along with it.

- Scrum
- Agile

## FULLSTACK | MRBOX

2017-2018

Me and my team got a huge assignment to craft three applications controlling a logistics solution from Allsafe. The application had plenty of corner cases and riddles related to security, complexity, and performance.

- Javascript
- Firebase

## FRONTEND | SHAPESHIFTER

2017-2018

I made a puzzle game where you need to be able to reason about animations between one stage to the next, avoiding collisions to solve the puzzle.

- JavaScript

## FRONTEND FRAMEWORK | ARVA

2015-2018

My team developed a very streamlined workflow with a framework that was tailored to fit hybrid mobile applications. We made a matrix-multiplication based rendering engine that avoided different compatibility and performance details of HTML and CSS. I expanded the framework to encompass a virtual DOM

- JavaScript
- Research and development

## FRONTEND | LEGALBIKES

2017

LegablBikes is an initiative to sell re-purposed bikes from the municipality. I helped them to make a proof-of-concept for the idea in a short time.

- JavaScript

## MOBILE HYBRID | INSINGERGILISSEN

2016

An android app for the InsingerGilissen bank was hard to make and the assignment was turned down by another major software agency. After considerable effort, my team landed the product that now powers the users of the bank

- Javascript
- Mobile bank security requirements
- Java native mobile

## BACKEND | KITTY

2017

I was put on the task to write a working backend in an invoice system within 4 weeks. After breaking my sweat behind the keyboard, I got it properly working within the time frame.

- Firebase

## FRONTEND | TRADESQUARE

2017

TradeSquare is more than the run-off-the-mill ticket app - users can resell their tickets, they can reserve tickets without selling them, and so forth. I was involved by fixing a few bugs and keeping an eye on code quality of the project 2017

- JavaScript

## **FRONTEND | RIJBEWIJS TRAINER**

2016

In the absence of a useful product on the Dutch app market, me and my team made a mobile to prepare for your driver's license theory exam. We released early and worked agile to adapt to the needs of users

- JavaScript
- Firebase

## **FRONTEND | RABOBANK**

2015

The application Samen Slimmer Deals facilitates internal workshops to share each others knowledge

- JavaScript

## **FRONTEND | ING**

2015

HR management app for ING.

- JavaScript

## **FULLSTACK | GREEN ICT**

2013-2014

In a collaboration between me, the VU University and University of Amsterdam, I made a calculator based on their research. This also included expanding on their research based on my results

- JavaScript
- PHP