Karli Udso

Location: Tallinn, Estonia
E-mail: karli@supa.ee
Open to work: Full Stack Software Engineer, Senior Frontend Software Engineer.
Preference: hybrid/remote

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Introduction

I'm a dedicated and passionate full stack developer with more than 8 years of hands-on experience in the tech field.

My journey in software development has taken me from tinkering on freelance projects to playing a pivotal role in developing comprehensive solutions for leading companies. I love challenging environments that give me the opportunity to work on projects that not only solve problems but also make a significant impact.

My approach to software development is rooted in collaboration, continuous learning, and a keen eye for detail. I prioritize creating secure, performant solutions, emphasizing clean, minimal, and straightforward code. This ensures not only the functionality and reliability of the applications I develop but also their maintainability and scalability for the future.

For me it's key to deeply understand the subject, whether it's business, code, or hardware. Since a young age, I've been interested in computers, learning, and developing myself.

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Experience

Full Stack Developer at Mountbirch

Mountbirch OÜ - Tallinn, Estonia
Jan 2019 - Present (>6 years)

- Frontend + backend + devops + mobile apps

- Many different projects

  - **Eesti Energia AS** - developing an array of internal and customer-facing platforms for the Estonian national energy company. long-term (1 year).

  - **Holm Bank AS** - developing all sorts of different things; both internal and external platforms, mobile apps, digital signatures with smart cards/integration platforms. long-term (1+ year)

  - **Confido** - developing a new solution for remote doctor consultations and self-service. short-term (~4 months) to set up everything for juniors/mids to continue off.

  - **Ragn Sells AS** - developing for internal platforms to streamline operations. long-term (1+ year)

  - **Telema** - developing backoffice for business software; managing invoices, accounting. long-term (1+ year)

  - **JuttAI** - short-term (~3 months) early startup development. management software for sales/hiring/etc leads

- **Soundfr** - short-term (~6 months) early startup development. react-native mobile app with ML model for detecting different sound types for people with disabilities, accompanied with hardware.
- **SensusQ** - military sector project. developing new modules for their main product. partnered with Nortal and joined team with 1 person from Nortal. learned golang from 0, know it well now and afterwards I've used it in several of my own projects.
- **Lehepunkt** - print media. developing backoffice+client portal
- **Medreport** - short-term (~6 months) early startup development. developing B2B/B2C platform for B2C customers to order medical services from different providers, and for B2B customers to be able to offer their employees ~35€ a month as a fringe benefit to be used for the services.
- some other smaller projects with various specialties
- Often helping and teaching interns or junior developers

Full Stack Developer at Estonian Defense Forces

Estonian Defence Forces - Estonia
Oct 2019 - May 2020

- Developing internal solutions during mandatory conscription period
- Working with different types of radio hardware and developing critical solutions for efficient communication and location sharing

Full Stack Developer - freelance

Freelance Development - Estonia
2016 - Present (>8 years)

- Developing short-term projects as freelancer; either personal interest projects or contractual freelance
  - Example: **OÜ Pigipada** developing a platform to manage road surfacing work
- Developing for two start-up attempts with friends

Frontend Developer

ERPLY Retail Platform - Tallinn, Estonia
2018 - 2019 (1 year)

- Developing as a junior developer
- Developed solutions for point of sale, inventory management, and reporting systems, improving operations for POS and back office customers.

Skills

- Databases
  - mongoDB, redis, mariaDB/MySQL, postgreSQL, any
- Frontend
  - Basics

- html5, css/scss/sass, vanilla javascript, jquery
- Modern
  - typescript, react.js (good grasp of the ecosystem; react-router, react-query, etc), next.js, vue.js, zod/yup
- Backend
  - spring, java, typeorm, tsoa, nodejs, typescript, thymeleaf, liquibase/flyway, kafka, rabbitmq, spark, golang, graphql (FE+BE)
- Frontend testing
  - cypress, detox, mocha, jest, puppeteer
- Backend testing
  - mocha, jest, junit, testcontainers, assertj, mockito
- Devops
  - linux, docker, jenkins, helm, kubernetes, aws
- Security
  - owasp, jwt, oauth, apereo cas
- Miscellaneous
  - php, wordpress
- General
  - git

Education

TalTech – Tallinn University of Technology

Bachelor's degree, Information Technology
2016 - 2019

- Not finished due to full-time work, ~85%. Course programme itself was too basic and did not seem beneficial.

Pärnu Koidula Gümnaasium

High School Diploma
2013 - 2016

Languages

- English (Native or bilingual proficiency)
- Estonian (Native or bilingual proficiency)
- Italian (Elementary+ proficiency)
- Spanish (Elementary proficiency)
- Finnish (Elementary proficiency)

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Interests

- Software development
- Tech innovation and new ideas
- Continuous learning and self-improvement
- Motorsports, cars, motorcycles, mechanical works
- Travel and new environments
- Movies, music, arts
- PC gaming sometimes (CS, sim racing)
- Sports; tennis, running, bicycling

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01/09/2025