

Daniel Dunderfelt

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Profile

I am a freelance Full Stack Developer from Helsinki, Finland. I specialize in developing top quality applications from scratch to production, for web and mobile.

While I can work with most languages and technologies, I am most experienced and comfortable with Typescript and React. For mobile apps I do my best work with Expo and React-native, and for building server-side/API services I use Node.js (or alternatives like Bun).

I am particularly focused on making the user experience delightful, accessible and intuitive. I am not afraid to dive into languages and frameworks that are new to me, and I choose what is best for the task at hand.

I have worked on projects in realms such as consumer eCommerce, healthcare, critical infrastructure, entertainment, logistics, and real estate. I approach all projects with curiosity and eagerness to solve problems.

I am a self-directed and goal-oriented developer, and I work well even under release pressure. But I do not want to be just an extra pair of hands. Previous clients have thanked me for leveling up the teams I work in through planning optimal solutions with product owners, brainstorming on problems with senior developers, and helping junior team members develop their skills.

Experience

Aikoa Intentions Oy — 2024 - Present

I was selected to join the Antler Nordic 7 cohort in Helsinki, a three-month startup residency at venture capital firm Antler. The result is Aikoa, a service that aims to reinvent the private real-estate market. This is only the first step of an ambitious vision of an interconnected world that includes much more than private real-estate.

I built the first MVP of the service with Next.js and Vercel AI SDK in a few months. The MVP features smart AI integrations, rich 3D maps, payments with Stripe, and the latest Next.js features such as the App Router and React Server Components. The second Aikoa app is a mobile application using React-native (Expo). It incorporates AI integrations to ingest and parse data, which are part of our focus on making the UI delightful and intuitive to use. We are piloting the app using the Expo web version, and we will launch it as a mobile app from the same codebase after the pilot.

Finnair

I am part of the development team working on the new Finnair app. When released, it replaces the current Finnair apps on iOS and Android, and becomes the main customer touchpoint of Finnair, serving all stages of the customer journey. The new app is implemented with Expo, React-native and Typescript.

HSL

At HSL I worked on development and maintenance work for various map-based applications. I then joined the development team of the Reittiloki application, which shows recorded second-by-second vehicle position information on a map. This is used to ensure public transport quality. The third HSL project is Bultti, an application for analyzing bus traffic and ensuring that it operates according to the contractual requirements.

HUS

During my work for HUS, the public health service provider of the Helsinki metropolitan area, I was the lead developer for their flagship mobile product, HUS Omapolku. This is a React-native app built to healthcare standards, including strong authentication, accessibility, sensitive personal information security, multiple languages, and interfacing with secure API's. The app features a wide array of interactive multimedia content and communication features.

Fingrid

I worked on multiple applications critical to the Finnish electricity grid for Fingrid, where I strengthened my core skills further and also familiarized myself with systems such as Kafka and Azure DevOps. I used Kotlin, a new language to me, to implement a Kafka stream processor,

Relex

I helped the team at Relex launch their Mobile Replenishment app for international pilot customers, and it is their inaugural React-native project. The app is offline-first and has heavy data requirements. This gave me an opportunity to dig into SQLite and I made the data sync of the app over 10x faster. During the project I mentored the non-senior developers on the team and kept the releases on track as the acting Lead Developer.

Others

Other freelance projects include an eCommerce website for **Escape Room Helsinki**, **Hyvä Fiilis** a React Native app for mental wellbeing in the workplace, and a customer service portal for **A-lehdet**.

Founder of Dunderfelt Digital Oy — 2021 - Present

I founded Dunderfelt Digital Oy to continue working on a mobile app with my father, psychologist and author Tony Dunderfelt. We are also doing audio-visual productions for clients, and other products related to Tony's psychology expertise. We recently published a 16-part video course on intuition, which has been well received.

Founder of Dunderfelt Consulting Oy — 2020 - Present

In December of 2020 I founded my own limited company, Dunderfelt Consulting Oy. My work as a freelance developer will continue as before.

Freelance Developer — 2018 - 2020

At the start of 2018 I went freelance as a sole proprietor and started working on a customer service portal for A-lehdet. After that I joined a multi-disciplinary agile development team at HSL.

During my work for A-lehdet and HSL, I have considerably strengthened my repertoire with experience in building complex apps with Typescript, PostgreSQL, Azure and more.

Developer, Mirum Agency — 2013 - 2018

I started my career at ActiveArk JWT as a developer trainee and progressed to developer through many projects and teams over a period of almost 5 years. During this time ActiveArk JWT became Mirum Agency and a part of a global network of agencies. At Mirum I've worked with clients such as **Neste, Nokia, Aurinkomatkat, Finnair, Holvi, Lassila & Tikanoja and Nordea**. Working at Mirum, I had the opportunity to develop a wide variety of projects, from static promotional websites and HTML5 banners to full-fledged web applications and even WebGL-based games, as well as a few eCommerce projects. I've also worked on pure scoping and planning projects. This experience has made me the developer I am today: full stack and ready for anything.

Endorsements

Mikko Poranen, Fingrid, Head of Development

We worked with Daniel for about a year. The collaboration was enjoyable. Daniel is a results-oriented, solution-focused, and self-directed developer.

Marcin Pohjanpalo, Fingrid, Operational grid expert

Working on a project with Daniel, he communicated clearly about technical solutions and challenges. I also received good development suggestions from him that had not occurred to me before. We met the project's goals and I would gladly work on future projects with Daniel.

Antti Karvanen, A-lehdet, Head of Development

Working with Daniel is extremely efficient and easy. He is fast, reliable and presents his comprehensive views clearly and constructively. He'd absolutely be in my dream team. He makes things happen.

Samuel Thesleff, Muuvin, Founder

Daniel is a highly active and trustworthy developer, consistently delivering excellent work. His dedication and reliability makes him an invaluable asset to any team.

Jaakko Tepponen, Mirum, Tech lead

Daniel has worked in a multivendor environments for our clients and being the main contact from Mirum's side. We greatly value Daniel's professional skills and can strongly recommend him for similar tasks.

Notable projects

Finnair Mobile app — Mobile developer

The new Finnair native app is an Expo/React-native app for both iOS and Android. It features full e-commerce capabilities such as flight booking, ancillary purchases, and loyalty accounts. It serves users fully on their journey with Finnair. The app has extensive unit tests and E2E tests using Maestro. It also uses EAS services such as Build, OTA updates, and CI Workflows, and it is built as an offline-first app with a local SQLite database that syncs with multiple upstream API's.

Relax Mobile Replenishment — Mobile developer

MORE is an app for retail chain store employees and managers. It is a React-Native (Expo) app available for Android and iOS, and it uses EAS services such as Build, OTA updates, and CI Workflows. It is built as an offline-first app with a local SQLite database and a sync engine. It is end-to-end tested with Maestro.

Aikoa apps — Architect/Lead developer

The Aikoa project includes two distinct applications, the first being an MVP using Next.js, and the second one being a mobile app using React-native and Expo. Both feature AI integrations using the Vercel AI SDK and are full-stack applications with a dedicated API and database. During the development of these applications I have utilized my full spectrum of skills; from delightful UI interactions and animations, to low level database operations and optimization. This includes everything in between, from frontend data sync, authentication, server-side logic, durable workflows/task queues, and LLM operations. I have also fine-tuned and deployed a custom embedding AI model for the project.

HUS Omapolku — Lead developer

The Omapolku app is the flagship mobile product from HUS, the public health service provider of the Helsinki metropolitan area. It allows patients to treat and manage conditions using self-service "treatment paths", and

features a ton of multimedia content. The app is implemented with React-Native and Typescript, and is built to healthcare standards. This includes strong authentication, accessibility, sensitive personal information security, multiple languages, and interfacing with secure API's.

Fingrid applications — Architect, developer

At Fingrid I worked on multiple internal applications critical to the Finnish electricity grid. They consume and produce data to the Kafka system, and I used Kotlin and Kafka Streams to build a part of an application. I have also been involved in designing common libraries and processes.

Muuvin — Developer

Muuvin is an innovative B2C service for the real estate market, where users make “social profiles” of their apartments. I was hired to improve and update their service. This project consists of a React front end and a Node.js backend using the Sails library. I have upgraded and cleaned up many parts of the app where it made most sense, and implemented new features.

HSL Reittiloki — Architect, developer

The Reittiloki application collects and stores huge amounts of real-time second-by-second public transport vehicle data which can be used to analyze traffic operation and ensure public transport quality. It is built with technology including React, Leaflet, Typescript, GraphQL, Postgres/Citus, Node.js and Redis.

Hyvä Fiilis, cross-platform React Native mobile app — Architect, developer

Hyvä Fiilis is a new mental wellbeing app for Finnish workplaces that helps employees handle stress, manage difficult situations and get to know themselves better. The app includes multimedia content such as videos, animations, mini games and quizzes, all implemented in React Native.

HSL Bultti — Architect, developer

The Bultti application is used to track contract obligation compliance of bus operators, and for levying sanctions for infractions. It also relies on collected real-time positioning data to analyse departure timeliness and vehicle suitability, among other things. Bultti is built primarily with Typescript, React, GraphQL, Node.js, Postgres and Redis.

A-Lehdet customer portal — Architect, developer

I worked on a customer service portal for A-Lehdet, where magazine subscribers can manage everything about their customer relationship. The main technologies are Typescript and React.

Escape Room eCommerce - eCommerce site Escape Room Helsinki — Architect, developer

An e-commerce and booking solution for Escape Room Helsinki which is their primary storefront where most customers can book and pay for escape room games. It also contains an integrated work schedule system for their employees, where a new booking creates a new work shift. The site is built with Wordpress and WooCommerce, plus many custom plugins and a React frontend.

Technologies

I have experience in and readiness to develop complete applications using the following technologies (non-exhaustive list; mainly the things I'd want to keep using):

Typescript (Javascript)

- Front-end in browsers and standalone apps

- Back-end with Node.js and Bun

React

- Next.js (incl. new features like App router, RSC, caching)

- Server-side rendering

- Plain React (CRA, Vite)

- Expo Web

- React-query (Tanstack Query)

React-Native

- Expo

- Mobile app development

- App store release processes

- End-to-end testing

- Offline and sync

- SQLite on-device database

AI

- In web and mobile apps

- Large Language Models

 - OpenAI GPT

 - Anthropic Claude

 - Google Gemini

 - Open-source (Meta Llama, Qwen, Mistral, etc)

- OCR and document ingestion

- Vercel AI SDK

- AI model training/finetuning

- Custom AI model deployment

- Retrieval-Augmented Generation (RAG)

 - Embedding models

 - Vector databases (pg-vector, Pinecone, Qdrant)

 - Pipelines (parsing, chunking, retrieval, etc)

- AI-powered development

 - (in 2025 I was in the top 0.2% of Cursor users globally)

PHP

- Laravel

- Wordpress + Woocommerce
 - Custom plugins and themes
 - Headless
- Front-end styling
 - CSS/SCSS
 - Tailwind
 - React styling libraries (styled-components, emotion, css-modules, etc)
- Maps and location
 - Leaflet
 - OSM
 - Custom OSM server
 - Google Maps/Places
 - Geocoding
 - Autocomplete
 - 3D maps
 - Custom map markers/geometry
- Server-side Typescript
 - Express (and similar)
 - Bun
 - Hono, Elysia
 - GraphQL/Apollo
 - tRPC
 - Prisma ORM, Drizzle
 - Supabase
 - Serverless (Vercel, Cloudflare, AWS)
 - Workflows and task queues
- Databases
 - PostgreSQL
 - pg-vector
 - PostGIS
 - SQLite
 - fts5
 - high performance tuning
 - MySQL
- DevOps and server
 - Github
 - Vercel
 - EAS (Expo Application Services)
 - Docker/Docker-compose/Docker Swarm
 - Azure
 - AWS
 - Google Cloud
 - Kubernetes
 - Nginx
 - Linux servers
 - Continuous Delivery

SST

Feature flags

Observability and analytics (Datadog, Posthog)

Kafka

Git

Advanced operations

PR-based workflow

Github, Gitlab, etc

Other experience

- I am a Toastmaster since 2022, which has given me some public speaking and hosting experience. I served as the President of Stadi Talkers Toastmasters Club for the 2024-2025 season.
- I have held a few talks at meetups and internal events, and am looking for more speaking opportunities.
- Photography is my main hobby, if programming (which I do a lot during off hours as well) is excluded. I have extensive experience with still photography, and some video production experience, including audio, lighting and editing, through the work for Dunderfelt Digital.

Languages

I am fluent in

English

Finnish

Swedish