Andreas Atakan

(AWS certified) full-stack developer specialised in geospatial applications

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https://andreasatakan.com/   December 5, 1998 (Bergen, Norway)

Projects

A list of software systems I have developed

Link

Languages

Norwegian
Mother tongue

English
Fluent, professionally

French

Turkish
Second language

Personal skills

Teamwork- and solution-oriented.
Social, dedicated and passionate.
Creative problem-solver.
Cool-headed under pressure.

Technical skills

Full-stack cloud development (AWS and Azure)

Debian Linux (Bash-shell - Systemd)

SQL (PostgreSQL - PostGIS - SQL-Server)

Python (AWS Lambda - Flask - Django)

JavaScript (node.js - ReactJS - AngularJS)

PHP (Composer - Laravel)

Web servers (NGINX - Apache)

Microsoft Dynamics 365 (with SSRS and SSIS)

Java

Personal interests

Sailing, Fitness training, Mountain hiking, Snorkeling and freediving, Classical art and history

Profiles

LinkedIn

GitHub

Summary

I am a full-stack developer specialised in geospatial data with map-applications. I have a unique skill set that combines all facades of web-technologies (full-stack; all stages of software development) and cloud infrastructure (AWS and Azure) with geospatial analysis and visualisation.

Education

University of Bergen — **August 2017 - December 2020**
Computer science — Bachelor's degree
Description

Bachelor's degree in computer science at the University of Bergen Department of Informatics was a three year program that gave me extensive experience in all areas of software development and systems architecture. It gave me a solid foundation for the experience I would gain later in my working career.

Certifications

(AWS Certified Developer - Associate) — **January 2025**
Amazon Web Services
Description

The associate-level AWS developer certification gives me a thorough understanding of all aspects of software development using the AWS platform.

Experience

Nordfjord EDB AS — **January 2022 – Present**
Co-founder — Bergen, Norway
https://nfedb.no/

Since January 2022 I worked at the consulting firm Nordfjord EDB AS with a co-founder. We do a number of consulting projects for customers in the forest industry and nature conservation industry where we have done extensive GIS analyses as part of the projects. We have also done a number of projects in the public sector where we have developed area-accounts of building-plans and their impacts for municipalities and counties. We have also analysed area-accounts at the property-level for the private sector. We started the innovation project GeoTales, a map-based story-telling tool, and have received funding by Innovation Norway at commercialisation-level.

Napkin AS — **September 2019 – January 2022**
Co-founder and CTO — Stavanger, Norway
https://napkin.no/

I founded Napkin AS together with two other co-founders. We worked on the innovation project NapkinGIS, which aimed to create a user-friendly and more accessible web-based GIS analysis and visualisation tool. The NapkinGIS project was funded by Innovation Norway, both at the market-discovery and commercialisation level. I was responsible for all technical development in the project. The project saw initial commercial success with multiple paying customers. Two of the founders went on to start the consulting firm Nordfjord EDB AS.

GitHub page showcasing the entire code-base and subsystems.

Friend Software Corporation AS — **March 2020 – January 2022**
Senior consultant — Stavanger, Norway
https://friendos.com/

I worked as a hired senior consultant and developer on the innovation project FriendOS which aimed to create a fully self managed web-based operating system not reliant on big cloud providers. My responsibilities were the development of the systems map-module which could handle advanced visualisations of geospatial data. The project received funding from Innovation Norway at the highest levels, and has seen international commercial success.

The GitHub page of the project where I made code contributions

Cartagena AS — **December 2017 – September 2019**
Junior developer — Bergen, Norway
https://www.cartagena.no/

From December 2017 to September 2019 I worked as a junior developer at Cartagena AS. I worked on maintaining the Microsoft Dynamics CRM system for some of the companies biggest customers. This included working on new and existing SQL-Server entities in the system, and integrating these entities with the reporting- and accounting-systems. Our customers used Visma as their accounting system, so I also gained some limited experience with that.

EPOS, the European Plate Observing System — **March 2016 – December 2016**
Technical intern — Bergen, Norway
https://epos-no.uib.no/#/

From March to December in 2016 I designed, developed and maintained a complete website for the Norwegian sub-sector of the European Plate Observatory System (EPOS-Norway).

In this project I was able to exercise my experience in full-stack web-development using PHP and PostgreSQL. This website included user registration and an events-system where a registered user could create, update and delete and events from a calendar. The user- and events-system was entirely written by myself.

References

Trond Simensen
Senior researcher at the Norwegian Institute for Nature Research (NINA)
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Hogne Titlestad
Founder and former CEO at Friend Software Corporation AS
+47 407 29 656 , ht@friendup.cloud

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Reference from my work with EPOS-Norway

Awards

ITSA Start — **June 2020**
Validé

NapkinGIS was named the winner of Validé's ITSA start-up awards as the best project in their program, and received a prize of NOK 300,000 and a seat at their incubator.

Publications

Planlagt utbyggingsareal i Norge. Identifisering av mulig framtidig utbyggingsareal ... — **August 2023**
Norwegian Institute for Nature Research (NINA)
https://brage.nina.no/nina-xmlui/handle/11250/3085779

Under the auspices of Nordfjord EDB AS, I co-authored a research-article published by the Norwegian Institute for Nature Research (NINA), where we identified all possible panned development areas in Norway and their environmental impact in terms of the nature resources already present in those areas. I was, together with a co-author from NINA, responsible for the underlying GIS analysis that identified the development areas and their overlap with existing nature resources.

After finishing the article we created a map visualisation of the results, that can be found here.