Åsmund Danielsen Kvitvang

IT-konsulent

Backend developer | Data engineer | Data analyst | Python developer

LOCATION: Oslo
PHONE: +47 976 49 399
EMAIL: aasmund@anomalab.io

Anomalab

We at Anomalab don't just manage timelines, resources, and tasks — we integrate ourselves into your goals and vision. Whether you need scalable solutions and infrastructure, leadership for digital transformations, or a shared direction across complex environments, we bring structure and momentum to every milestone.

ABOUT CANDIDATE

Åsmund is a developer with six years of experience in backend development and data analysis. He has strong expertise in Java/Kotlin and JavaScript/TypeScript and experience with a wide range of tools and frameworks, including Node.js, Next.js, GraphQL, PostgreSQL, MS SQL, Spring Boot, Knex.js, Prisma, and Swagger. He has also worked extensively with Python as a working tool, for example using Pandas for data processing. In addition, he is well acquainted with reporting tools such as Power BI.

During the summers of 2019 and 2020, as well as part-time in between, Åsmund worked as a summer intern at If Insurance in the data warehouse department, where he built a solid foundational understanding of databases and data reporting. From spring 2021 to spring 2023, he worked at DEFA as a backend developer, further strengthening his backend expertise through the design and structuring of databases and APIs. From spring 2023 to the present day, Åsmund has worked as a consultant, gaining extensive experience across a variety of projects, both as a backend developer and a data analyst.

Åsmund holds a master's degree in Applied Mathematics from the University of Oslo, where he specialized in the use of machine learning models to approximate solutions to partial differential equations. By combining his background in analytical mathematics and computer science, he has strengthened his ability to develop robust and efficient code.

Åsmund is a positive and approachable consultant who thrives both in team environments and when working independently. Among colleagues, he is known for his analytical mindset and his ability to solve complex challenges efficiently. He is highly motivated to learn and has a strong interest in the natural sciences, which drives his continuous professional development and learning.

HIGHLIGHTED ROLES

- Programmer
- Data warehouse developer
- Tech lead

- IT consultant
- Data analyst
- Data Engineer

- Backend developer
- Solutions architect

HIGHLIGHTED PROJECTS

Mastercard – Payment Norway Customer migration (08.2024 – 12.2025)
Data analyst, course instructor, employee training, and customer support.

Arctic Securities – KYC portal (11.2023 – 05.2024)
Backend lead on a project to develop a platform for customers' regular KYC reviews.

Noah AS – Application for automatic signing (06.2023 – 01.2024)
Developed a fully automated server-side application.

PROJECTS

DURATION	CLIENT	PROJECT
01.2026 - 02.2026	**Anomalab AS	CV platform**
	Åsmund developed a simplified CV platform for Anomalab that ensures a consistent and standardized structure for consultants' CVs.
	ROLLE: Fullstack developer
	KOMPETANSE
	JavaScript, TypeScript, Tailwind CSS, NextJS, Vercel, Website-deployment, Git, PostgreSQL, Claude, Prisma
08.2024 – 12.2025	**Mastercard	Payment Norway Customer Migration**
	Åsmund has been involved in a large-scale migration project at Mastercard, where he initially worked as a data analyst with responsibility for ensuring the correct transfer of users from a legacy system to a new platform. Using Python with Pandas and Excel, he developed solutions to process large volumes of data, perform data quality assurance, and create Power BI dashboards that formed the basis for access management. The work required close collaboration with both technical and business stakeholders to ensure that roles and permissions were migrated as accurately as possible and in line with organizational requirements. From May 2025, he joined a transition-phase team with deep system expertise and responsibility for second-line support. The main task was to reduce a substantial backlog of customer cases related to users who had not gained access to the systems after the migration. With his in-depth understanding of both the technical systems and the business processes, Åsmund became a key resource in the team—often the only one with a comprehensive, end-to-end understanding across environments. During this phase, he also assumed an informal leadership role, delivering training and courses for customer support and onboarding new team members. His combination of technical insight, system knowledge, and ability to transfer knowledge was critical to the project's progress and post-migration stabilization.
	ROLLE: Data analyst
	Used Python for data processing and Power BI for data reporting.
	KOMPETANSE
	Python, Pandas, MS Excel, Power BI, Power Query, DAX, Kursholder, Team-ledelse
06.2024 – 08.2024	**Omegapoint Norway	Weather API (internal project)**
	In this project, Åsmund developed an API using Kotlin and Spring Boot to integrate with MET Norway's Weather API (LocationForecast 2.0). The work included enabling the retrieval and processing of localized weather forecasts, as well as implementing them in the client application.
	ROLLE: Backend-utvikler
	KOMPETANSE
	Kotlin, Spring Boot, Swagger, REST

DURATION	CLIENT | PROJECT

11.2023 – 05.2024

Arctic Securities | Customer information platform (KYC)

The project involved implementing a customer portal used to review and update customer information. In accordance with anti-money laundering regulations, customer information at a brokerage firm must always be up to date, following the "know your customer" (KYC) principle. In this context, it also needed to be possible for an administrator to approve changes made by the customer. The project therefore consisted of developing a system for customers, with an underlying component for administrators. In this role, Åsmund had overall responsibility for the backend, which was developed using NodeJS/ExpressJS and Apollo GraphQL. Integration with internal REST APIs was also required. PostgreSQL was used as the underlying database system, and database migrations were carried out using Knex.

ROLLE: Backend lead | Backend developer

In collaboration with two other developers (one frontend and one fullstack), Åsmund had overall responsibility for backend decisions.

KOMPETANSE

Databaser, NodeJS, TypeScript, Backend, REST, GraphQL, Postgres, Apollo GraphQL, Git, Tech lead

06.2023 – 01.2024

Noah AS | Integration and full automation of PDF signing

The project involved the development and completion of a Java application that fully automates and digitizes a signing process. The application retrieves PDF documents from a database, adds text fields, sends the documents to a third party for signing, and finally uploads the signed documents back to the database. This application replaces a manual process where documents had to be physically printed, signed, stamped, and scanned. The Java application is built as a CLI and runs as an automated background job on a Windows server using Windows Task Scheduler. The signing service used is a Commfides signing API. In this assignment, Åsmund worked on developing and testing a signing solution involving Java and MS SQL. Through his work, he gained extensive experience with the fundamental aspects of digital signatures and became well acquainted with the cryptography underlying a digital signature.

ROLLE: Backend developer

Develop a fully automated server-side application.

KOMPETANSE

Database, Windows Server, Java, Microsoft SQL, Kryptografi, REST, API, Automatisering, Windows Task Scheduler, Maven, Gradle, Git

09.2023 – 10.2023

Omegapoint Norge | Personal developer portfolio (internal project)

To expand his knowledge as a developer beyond backend, Åsmund has built a developer portfolio that includes a blog, project overview, and a description of himself as a developer. The website was developed entirely as a backend-focused project, as the goal was to learn basic frontend skills. The site is built with NextJS and Tailwind CSS and deployed to production via Vercel.

ROLLE: Frontend developer

KOMPETANSE

JavaScript, TypeScript, Tailwind CSS, NextJS, Vercel, Website-deployment, Git

LENKE: https://www.aasmundkvitvang.no

04.2023 – 06.2023

Itverket AS | Booking system (internal project)

Collaborated with other consultants to build a web application for booking/reserving Itverket's internal services. Åsmund developed the backend of the web application. The backend technologies used were Postgres with Prisma as the database migrator, and NextJS API Routes.

ROLLE: Backend developer

KOMPETANSE

Database, Postgres, TypeScript, REST, API, Postman, Backend, PostgreSQL, Prisma, NextJS, Git

DURATION	CLIENT | PROJECT
04.2023 – 06.2023	**Itverket AS | Household electricity consumption (internal project)**

The project involved creating a complete web application where consumers can get an overview of total electricity consumption in their home. The backend was initially built with Kotlin and Spring Boot as a standalone API. It was later decided to use Prisma for the backend and React for the frontend to build a complete and fully functional web application.

ROLLE: Fullstack developer

KOMPETANSE

JavaScript, Gradle, TypeScript, Spring Boot, REST, API, PostgreSQL, React, Prisma, Kotlin, Docker, Kubernetes

01.2023 – 03.2023	**DEFA AS | DEFA Secure Cloud**

Build a proxy/secure cloud solution intended, among other things, to enable in-app activation payments for end users of charging stations. The payment platform used is Stripe, and the backend is built with Java and Gradle, communicating with an existing GraphQL endpoint. Through this project, Åsmund developed a backend using Spring Boot with Java and Gradle. He gained experience building a backend with Spring Boot in Java and using PostgreSQL as the database system. He also became familiar with API integration and Stripe as a payment platform.

ROLLE: Backend developer

KOMPETANSE

Java, Gradle, PostgreSQL, Spring Boot, Backend, GraphQL, REST, API, Integrasjon, Docker, Kubernetes

06.2021 – 03.2023	**DEFA AS | DEFA Power Configuration**

DEFA Power is an electric vehicle charging station designed to be smart, robust, and powerful. Part of this development involved creating a configuration application used by installers/electricians during the installation of the charging station. A backend for this application was developed using NodeJS and GraphQL, with PostgreSQL as the database system. Åsmund has been the main contributor to the development of the backend for the configuration app. In this role, he gained extensive experience with NodeJS, GraphQL, and PostgreSQL. He also became proficient with Knex for database migrations and the Jest testing framework. GitLab CI was used as the deployment tool.

ROLLE: Backend developer

KOMPETANSE

JavaScript, Git, NodeJS, Docker, Kubernetes, PostgreSQL, GraphQL, Jest, Gitlab CI

06.2020 – 08.2020	**If P&C Insurance | Data warehouse development and mentoring**

Åsmund worked on the development, testing, and maintenance of data warehouse solutions using Teradata SQL, as well as on statistical reporting with Tableau. He also mentored fellow students located within the same department.

ROLLE: Data warehouse developer

KOMPETANSE

Tableau, Teradata SQL, Agile, Scrum, Datavarehus, Statistikk, Veiledning

06.2019 – 08.2019	**If P&C Insurance | Data warehouse development**

Åsmund worked on the development, testing, and maintenance of data warehouse solutions using Teradata SQL, as well as on statistical reporting with Tableau.

ROLLE: Data warehouse developer

KOMPETANSE

Tableau, Teradata SQL, Agile, Scrum, Datavarehus, Statistikk

EDUCATION

DURATION	DEGREE	LOCATION
2019 – 2021	Mastergrad | Computational Science: Applied Mathematics and Risk Analysis	University of Oslo
2016 – 2018	Bachelorgrad | Mathematics, Computer Science, and Technology (Applied Mathematics)	University of Oslo
2015 – 2016	One-year program | Natural Sciences	University of Oslo

WORK EXPERIENCE

DURATION	EMPLOYER	TITLE
01.2026 –	Anomalab AS	IT consultant
		Beskrivelse Assist clients with needs for a backend developer and/or data analyst.
04.2023 – 01.2026	Itverket AS | Omegapoint Norge AS	IT consultant
		Beskrivelse Assist clients with needs for a backend developer and/or data analyst.
05.2021 – 03.2023	DEFA AS	Backend developer
		Beskrivelse Development, testing, and maintenance of essential application software during the development of the DEFA Power charging station.
08.2020 – 12.2020	University of Oslo	Group Teacher | Teaching Assistant
		Beskrivelse Weekly group instructor for the courses MAT-IN1105 and MAT1110.
06.2019 – 08.2020	If P&C Insurance	Data warehouse developer
		Beskrivelse Development, testing, and maintenance of data warehouse solutions.

COURSES AND CERTIFICATES

DATE	CERTIFICATION	VALIDATION
09.08.2024	AWS Certified Cloud Practitioner (CLF-C02)	eedff2329002454ebfbe21457aaaae6e https://aws.amazon.com/verification
19.04.2023	Build RESTFUL APIs using Kotlin and Spring Boot (Udemy)	UC-26955a5c-422f-499b-ad8f-d9cdc36632fb http://ude.my/CODE

COMPETENCE AND TOOLS

Programming

Python	Pandas, NumPy, PyTorch, Tensorflow, Matplotlib, Jupyter Notebook
Kotlin/Java	Gradle, Maven, Spring Boot, Spring MVC, Spring WebFlux, Thymeleaf, Hibernate, Junit, MockK, Mockito, OpenAPI, Swagger

Typescript/Javascript	Node.js, Express.js, Next.js, Knex.js, NextAuth, Prisma, Jest, ESLint, npm, yarn, Axios, Tailwind CSS
PostgreSQL	SQL, PostgreSQL Server, PostgreSQL Client (psql), pgAdmin, pgcrypto, Row-Level Security (RLS), Auditing, Versioning
Teradata SQL	SQL, Teradata Database
Microsoft SQL	Microsoft SQL Server, SQL Server Management Studio (SSMS)

OTHER TOOLS

Git	GitHub	GitLab	Docker	Kubernetes
Helm	GitLab CI/CD	Argo CD	AWS	Vercel
KeyCloak	Auth0	JWT	OpenID	OAuth
OpenAPI	Swagger	REST	API	GraphQL
Postman	nginx	VSCode	Intellij	PyCharm
Vim	Atom	Confluence	Jira	YouTrack
Power BI	Tableau	Bash	PowerShell	Windows
Linux	Draw.io	Yaml	JSON	XML

LANGUAGE

LANGUAGE	LEVEL
Norwegian	Native
English	Fluent