

ABIR KHAN

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Experienced Sivilingeniør with specialization in Marine Cybernetics

Front End | Data Science | Data Engineering | Machine Learning / AI | Marine Cybernetics

PROFESSIONAL PROFILE

A driven Sivilingeniør from NTNU with experience working in international energy sector, and currently working as a software developer at Innovasjon Norge. Having experience in developing software, I have a good understanding in agile working methodology, and proven adaptability in programming. The main technologies that I am currently working on are React.js, JavaScript/TypeScript and Cypress.

Eager to progress my career, I developed profound competency in IT through work experience, side projects and certified courses. Keen to face a new challenge, I believe I can form an integral and valuable part of your company.

EXPERIENCE

December 21 – Present **Knowit Quality AS**, Oslo - Norway
Software Engineer – Test Developer Consultant

- Automating and developing the testing procedures of Front-End applications
- Primary technologies used: React.js, JavaScript/TypeScript, npm, CSS, HTML, Cypress
- Developing and implementing both end-to-end and component testing in the product application
- Front End development using React.js and TypeScript/JavaScript
- DevOps tasks such as implementing new automation functionalities such as Sonarcloud and test parallelization

April 21 – December 21 **Innovasjon Norge**, Oslo - Norway
Software Engineer

- Automating and developing the testing procedures of Front-End applications
- Primary technologies used: React.js, JavaScript/TypeScript, npm, css, html, Azure Devops
- Developing and implementing functional component testing in the product application
- Code reviewing Front-End PRs
- DevOps tasks such as setting up the pipeline and adding new features

Jan 20 – Present **Aker Solutions AS**, Oslo - Norway
Software Test Engineer

- Automating and developing the testing processes of electrical motors using Python and Robot Framework
- Performing factory acceptance tests
- Designing and implementing test cases and test procedures
- Evaluating non-functional characteristics such as performance efficiency, reliability, usability and security
- Preparing and acquiring test data
- Reviewing tests and providing guidance on the test methodology and best practices
- Ensuring product compliance with company's standards and client requirements

Aug 19 – Dec 19 **ix3 / Aker Solutions AS**, Oslo - Norway
Software Engineer

- Supporting a project team on developing a software for automatization of 3D-modelling of subsea structures
- Working with Python-based ParaPy (i.e. KBE framework)
- Ensuring compliance with DNV GL standards

Aug 18 – Aug 19 **Aker Solutions AS**, Oslo - Norway
Graduate Engineer

- Working on a project delivering workover systems
- Assistance to project managers and contributing to overall project objectives
- Participation in client meetings

Jun 11 – Jul 16 **PwC Norge**, Oslo - Norway
Summer Substitute Assistant

- Working as a summer substitute assistant in the accounting department
- Sorting and archiving invoices
- Reviewing invoices

VOLUNTEER EXPERIENCE

Sep 17 – Oct 17 **Teaching Assistant**, Vektor NTNU

- Tutoring different groups of high school students in science and mathematics

Aug 11 – Jun 12 **Student Council**, Nordstrand vgs

- Representing interests and concerns of classmates
- Organizing events

EDUCATION

June 22 – July 22 **Course: Getting Started with Spring Boot**, amigoscode.com

- Introduction to Spring Boot with Java
- Creating an API using Spring Boot Java
- Creating a Business layer
- Creating a server
- Integrating Databases into the Java application
- Testing the API requests
- Packaging and running the application

Oct 20 – Des 20 **Course: Data Engineer with Python**, DataCamp.com

- Hands-on exercises using Python, Shell, SQL and Scala as the main languages.
- Intro to technologies such as AWS Boto, PySpark, Spark SQL, and MongoDB.
- Streamlined data ingestion
- Intro to and data processing in Shell
- Bash Scripting
- Unit Testing for Data Science in Python
- Airflow in Python
- Building Pipelines
- Relational database in SQL and database design
- Big Data Fundamentals
- Data Cleaning
- Transaction and Error Handling SQL Server
- Building and Optimizing Triggers in SQL Server
- Improving Query Performance in SQL Server
- MongoDB Python

Mar 20 – Jun 20 **Course: Data Scientist with Python**, DataCamp.com

- Interactive exercises using Python libraries, including Pandas, NumPy, Matplotlib and seaborn
- Data Analytics and Data Visualization
- Introduction to Machine Learning
- Exploratory Data Analysis
- Supervised Learning
- Natural Language Processing (NLP)

Aug 13 – Jul 18 **Marine Technology at NTNU**, Trondheim - Norway

- Academic degree: Sivilingeniør / Master of Science
- Specialization: Marine Cybernetics
- Master Thesis: “Deep Reinforcement Learning based Tracking Behavior for Underwater Vehicles”

Aug 09 – Jun 12 **Studiespesialisering**, Nordstrand videregående skole, Oslo - Norway

PROGRAMMING SKILLS

- Python
- React.js/TypeScript/JavaScript
- HTML and CSS
- SQL
- Java
- Pandas

LANGUAGES

- Norwegian (Native / Bilingual Proficiency)
- English (Full Professional Proficiency)
- Urdu (Native / Bilingual Proficiency)
- German (Limited Working Proficiency)

PROFILE LINKS

- [GitHub](#)
- [Portfolio website](#)
- [LinkedIn](#)