

# Ismail Dogan

Senior Software Engineer

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## Summary

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As a Senior Software Engineer at Eesti Energia, I am advancing my skills through a Master's Degree in Artificial Intelligence at the University of Liverpool starting October 2023. My goal is to blend my web development experience with AI innovations, contributing to transformative projects in various industries.

## Skills

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C# • Java • Spring Boot • .net core • JavaScript • SQL • Angular • Microservice architecture

## Work Experience

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### Senior Software Engineer

Jul 2025 – present

Eesti Energia • Full-time

Tallinn, Estonia

**Technologies:** Java • Spring Boot • Spring webflux • React • PostgreSQL

- Take the role of integration new features and implementing new microservices.

### Senior Software Engineer

Dec 2023 – Jun 2025 • 1 yr 6 mos

HCLTech • Full-time

Tallinn, Estonia

**Technologies:** Java • Spring Boot • Angular • PostgreSQL • Microservices

- Designed and built internal microservices for external providers—such as HSBC, Duco, Snowdrop, Tink, and Nium—while assuming full end-to-end ownership of their architecture and reliability.
- Took the role of integrating new currencies and payout methods (Wallet, Proxy, Local, and Swift) via Nium, ensuring seamless global transactions and enhanced customer options.
- Refactored legacy microservices to accommodate new currencies and payout methods, ensuring coverage of all test scenarios—including unit and integration tests.
- Took ownership of the payment operation service and microfrontend, ensuring that all functionalities met the needs of the Customer Support, Payment Operations, and Treasury teams.
- Helped implementation an E2E testing strategy for evaluating all transfers with all payout method combinations to help QA teams with regression testing.
- Worked closely with the Infrastructure team to improve Pipelines with Argo CI to leverage Sonarqube and Checkmarx to ensure services are meeting the quality and security standards. Participated in as many incidents as possible to resolve production issues.

### Software Engineer

Jun 2022 – Nov 2023 • 1 yr 5 mos

Monese • Full-time

Tallinn, Estonia

**Technologies:** Java • Spring Boot • Angular • PostgreSQL • Microservices

- Led the design, development, and maintenance of critical microservices, enhancing performance and reliability. Contributed from the outset in the HSBC project, developing key aspects of a major banking and payment system integration, ensuring high performance and innovation. Authored efficient, maintainable Java code (versions 11, 17, 21), boosting system robustness.

## Software Developer

Dec 2021 – May 2022 • 5 mos

PayCore • Full-time

Istanbul, Turkey

**Technologies:** Java • .NET • Microservices • Angular • C#

- Involving in a payment transformation and modernization project for a major Turkish bank. Focused on microservices architecture and implementation.

## Software Developer

Apr 2021 – Dec 2021 • 8 mos

Inveon Digital Commerce Solutions • Full-time

Istanbul, Turkey

**Technologies:** .NET Core • C# • JavaScript • React • Microservices

- Developed and maintained Rest API services, streamlining processes for customer, basket, campaign, order, and checkout in mobile and web applications. Specialized in payment integration, working with platforms like lyzico, Masterpass, and Mobilexpress, and provided maintenance and support for checkout processes.

## Junior Software Developer

Feb 2020 – Apr 2021 • 1 yr 2 mos

Inveon Digital Commerce Solutions • Full-time

Istanbul, Turkey

**Technologies:** .NET Core • JavaScript • C# • React • Microservices

- Specialized in identifying and resolving bugs in the e-commerce website, ensuring optimal functionality and user experience. Conducted thorough analysis and debugging to maintain the integrity and performance of the e-commerce platform.

## Education

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### Master's degree: Artificial Intelligence

Oct 2023 – Mar 2026 • 2 yrs 5 mos

University of Liverpool

Liverpool, United Kingdom

- Online Master's Degree in Artificial Intelligence, University of Liverpool, Liverpool, UK Start Date: October 2023

### Bachelor's degree: Computer Engineering

Oct 2016 – Apr 2020 • 3 yrs 6 mos

Dogus University

Istanbul, Turkey

Grade/GPA: 2.41

- Bachelor's Degree in Computer Engineering (English Program), Faculty of Engineering, Dogus University, Istanbul, Turkey 2016-2020

### Associate's Degree: Computer Programming

Sep 2014 – Jul 2016 • 1 yr 10 mos

Duzce University

Duzce, Turkey

Grade/GPA: 2.97

- Associate's Degree in Computer Programming, Duzce University, Duzce, Turkey 2014-2016

### High school diploma: Web Programming

Sep 2010 – Jun 2014 • 3 yrs 9 mos

Tuzla Technical and Vocational High School

Istanbul, Turkey

Grade/GPA: 70

- High School Diploma with specialization in Web Programming, Tuzla Technical and Vocational High School, Istanbul, Turkey 2010-2014

