Contact

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www.linkedin.com/in/onurkarali
(LinkedIn)

Top Skills

Back-End Web Development
Protocol Buffers
Apache Kafka

Languages

Turkish (Native or Bilingual)
Dutch (Limited Working)
English (Full Professional)

Certifications

Getting Started with Kubernetes
Advanced Design Patterns: Design Principles
Developing on AWS
Architecting on AWS
Introduction to Recommender Systems

Publications

Detection and tracking of sea-surface targets in infrared and visual band videos using the bag-of-features technique with scale-invariant feature transform

10+ Conference Papers on Image Processing, Target Detection and Tracking

Adaptive image enhancement based on clustering of wavelet coefficients for infrared sea surveillance systems

Adaptive enhancement of sea-surface targets in infrared images based on local frequency cues

A Multiscale contrast direction adaptive image fusion technique for MWIR-LWIR image pairs and LWIR multi-focus infrared images

Onur Karalı

Software Engineer @ Booking.com
Eindhoven, North Brabant, Netherlands

Summary

Highly experienced software engineer in backend development, system design, and algorithm development. Expertise in a wide range of technologies and programming languages, including Java, C++, and Python, and a proven track record of designing and implementing scalable, high-traffic services. My experience spans various industries, including e-commerce, automotive, and defense.

Experience

Booking.com
Software Engineer II
July 2022 - Present (3 years 4 months)
Amsterdam, North Holland, Netherlands

Developing Java and Typescript backend software using REST, GraphQL api.

TomTom
Senior Software Engineer
November 2018 - July 2022 (3 years 9 months)
Eindhoven Area, Netherlands

Navigation software development for automotive .

Amazon
SDE II
August 2017 - August 2018 (1 year 1 month)
Madrid Area, Spain

- Full-Stack web development for Amazon Business.

- Planning, reporting and optimizing project hardware infrastructure.

Roketsan Roket Sanayii ve Ticaret. A. Ş.
Senior Research and Development Engineer
April 2016 - June 2017 (1 year 3 months)

• Infrared object detection and tracking algorithms development using C & C++

Nokta

Software Developer
June 2015 - January 2016 (8 months)

• Solr - Open source enterprise search platform,

• Recommender Systems,

• Search Algorithms,

• Object Oriented Software Design

TUBITAK - İLTAREN
6 years 10 months

Senior Research Scientist
March 2013 - May 2015 (2 years 3 months)

• Infrared Target Detection & Tracking

• Physics Based Vision

• Image Processing Technology & Applications

• Image Enhancement & Image Fusion

Researcher
August 2008 - March 2013 (4 years 8 months)

• Real-time Target Detection and Tracking Algorithms Development on Visual and IR Images

TAI
Intern
June 2007 - January 2008 (8 months)

• Analog and Digital Video Formats & Interfaces

Siemens AG
Intern
July 2006 - July 2006 (1 month)

Digital switching systems

Education

Orta Doğu Teknik Üniversitesi / Middle East Technical University
Doctor of Philosophy - PhD / Drop Out, Informatics · (September 2014 - June 2017)

Middle East Technical University
Master of Science (MSc), Electrical and Electronics
Engineering · (2008 - 2011)

Middle East Technical University

Bachelor of Science (BSc), Electrical and Electronics

Engineering · (2003 - 2008)