

# Arda Karaduman

Full-Stack Developer | AI Enthusiast

undefined Tokyo, Japan

Email: me@arda.karaduman.web.tr

arda.karaduman.web.tr: arda.karaduman.web.tr

## About Me

Highly motivated and results-oriented Full-Stack Developer with a strong passion for AI and machine learning. Proven ability to design, develop, and deploy robust web applications and intelligent systems. Eager to contribute to innovative projects and continuously expand technical expertise.

I thrive in collaborative environments and am adept at bridging the gap between complex technical challenges and user-friendly solutions. My goal is to leverage cutting-edge technologies to create impactful and meaningful software.

### Languages

English (Fluent), Turkish (Native), Japanese (Conversational - N3)

## Work Experience

### Senior Software Engineer

Tech Solutions Inc.

Jan 2022 - Present

- Led the development of a new AI-powered analytics platform.
- Designed and implemented scalable microservices.
- Mentored junior developers and conducted code reviews.

### Software Developer

Innovatech Ltd.

Jun 2019 - Dec 2021

- Developed and maintained features for a large-scale e-commerce application.
- Collaborated with cross-functional teams to deliver high-quality software.
- Participated in the full software development lifecycle.

### Junior Developer

Web Wizards Co.

Jul 2018 - May 2019

- Assisted in the development of client websites using modern web technologies.
- Contributed to front-end and back-end development tasks.
- Gained experience with version control systems and agile methodologies.

## Education

### Master of Science in Computer Science

University of Advanced Technology

Sep 2016 - May 2018

Focused on Machine Learning and Artificial Intelligence. Thesis on Natural Language Processing.

Graduated with Honors, GPA: 3.9/4.0

### Bachelor of Science in Software Engineering

State Engineering College

Sep 2012 - Jun 2016

Comprehensive curriculum covering software development principles, data structures, and algorithms.

Dean's List 2015, 2016

# **Skills**

## **Technical Skills**

- JavaScript/TypeScript - Advanced
- React & Next.js - Advanced
- Python (Django, Flask) - Proficient
- Node.js (Express) - Proficient
- SQL & NoSQL Databases (PostgreSQL, MongoDB) - Proficient
- Docker & Kubernetes - Intermediate
- AWS & GCP - Intermediate

## **Preferred Tech Stack**

React, Next.js, TypeScript, Python, Node.js, PostgreSQL, Docker

## **Soft Skills**

Problem Solving, Team Collaboration, Communication, Adaptability, Critical Thinking, Time Management

# **Projects**

## **AI-Powered Recommendation Engine**

Python, TensorFlow, Scikit-learn, Flask, React

Developed a personalized recommendation system for an e-commerce platform, increasing user engagement by 25%.

## **Real-time Collaborative Whiteboard**

Node.js, WebSocket, React, Canvas API

Built a web-based collaborative whiteboard application allowing multiple users to draw and share ideas in real-time.

## **Serverless Data Processing Pipeline**

AWS Lambda, S3, API Gateway, DynamoDB, Python

Designed and implemented a serverless pipeline for ingesting and processing large volumes of IoT data.

## **Portfolio Website (This Project)**

React, TypeScript, Vite, Tailwind CSS, Node.js, PDFKit

A multilingual, SSR-enabled portfolio website with dynamic PDF resume generation.

Generated on: 16/05/2025