YAZILIMDA KARIYER

2013-2018

YILDIZ TECHNICAL UNIVERSİTY
Mathematical Engineering
(Licentiate Degree)

2019-2020

YILDIZ TECHNICAL UNIVERSİTY
Computer Engineering/IT
(Master's Degree (Non-Thesis))

2023-

YILDIZ TECHNICAL UNIVERSİTY
Mathematical Engineering
(Master's Degree (Thesis))

INTERNSHIPS

- Mavi (2016)
- Overtech (2017)

2018
ICONEC WAVE

- Junior Frontend Developer

2018-2021
KARİYER.NET

- Software Support Asistant Specialist
- Software Asistant Specialist
- Software Specialist

2021-..
DOĞUŞ TEKNOLOJİ

- Software Specialist
- Senior Software Specialist
- Expert Software Engineer
- Software Development Lead

X: @kardelanite

in: kardelruveydacetin

DOĞUŞ TEKNOLOJİ

The application and evaluation process for Future Entry 2025 has ended. The 2026 application period will open in February. 😊

We are organizing many training sessions in October and November to contribute to your development. You can apply for the training you want to register for from the calendar tab in your profile. 😊

dogusteknoloji

**@DogusTeknoloji**

@dogus.teknoloji

Doğuş Teknoloji

A Day in the Life of a Software Developer

A software developer's day is a dynamic process spent constantly learning, creating, and solving problems. Every day begins with a new line of code, a new idea.

- **Morning Routines**
- **Coding Process**
- **Teamwork and Communication**
- **Learning and Development**
- **Breaks and Balance**
- **Problem Solving and Testing Process**
- **End of Day and Evaluation**

Software Engineer / Developer

- Writes, tests, and maintains code.
- Specializes in backend, frontend, or full-stack development.

Software Architect

- Designs the system's overall structure and technology stack.
- Ensures scalability, security, and performance

QA Engineer (Quality Assurance)

- Tests software to detect bugs and ensure quality before release.
- Creates automated and manual test plans.

Common Roles in a Software Company

DevOps Engineer

- Manages CI/CD pipelines, cloud infrastructure, and deployments.
- Bridges development and operations teams.

UI/UX Designer

- Designs user interfaces and improves user experience.
- Collaborates with developers to create intuitive applications.

Product Manager

- Defines the product vision and prioritizes features.
- Balances technical and business needs.

Common Roles in a Software Company

Data Scientist / AI Engineer

- Analyzes large datasets, builds machine learning models.
- Applies AI solutions to optimize business processes.

Team Lead / Technical Lead

- Guides developers, reviews code, ensures technical excellence.
- Acts as a bridge between the engineering team and management.
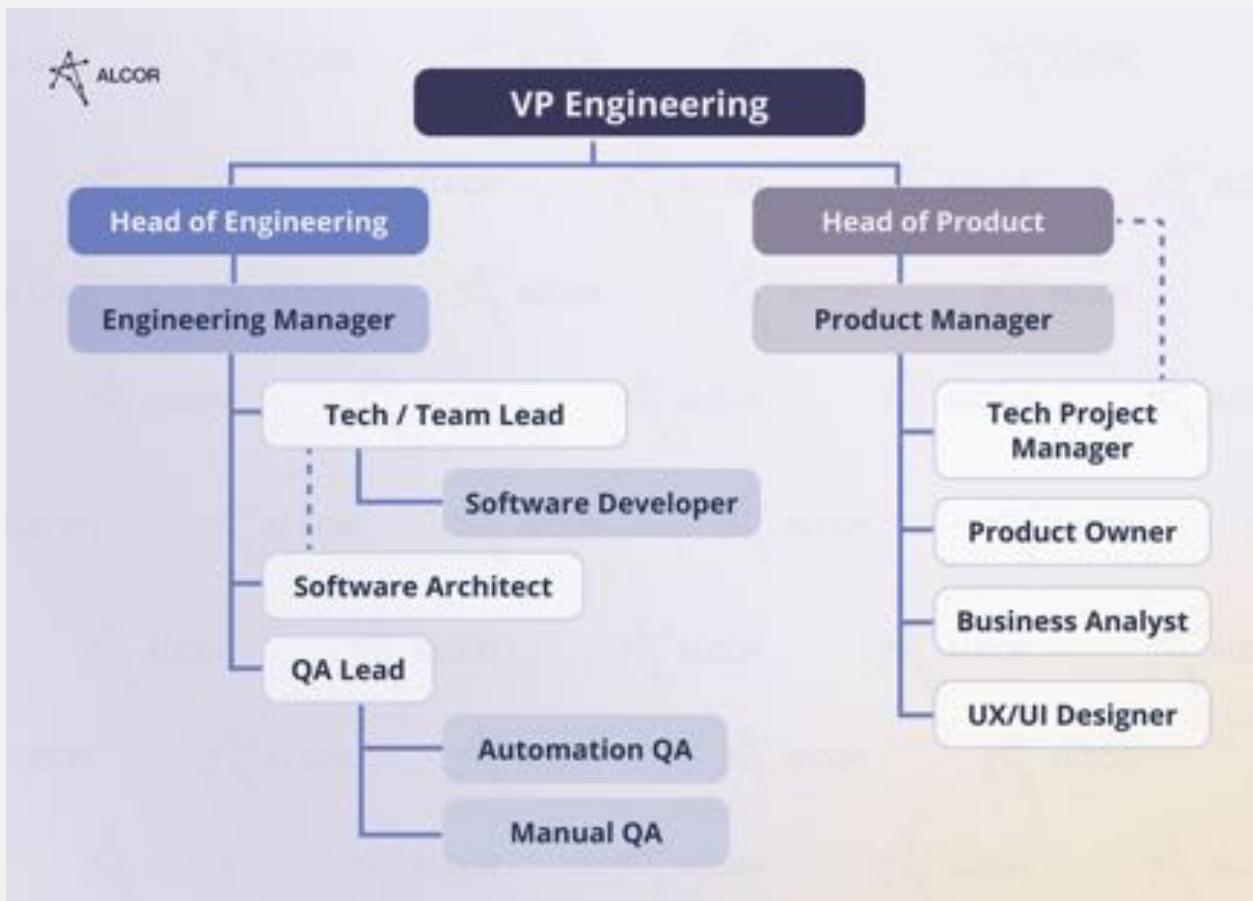
Project Manager / Scrum Master

- Plans, organizes, and monitors software projects.
- Uses Agile or Scrum methodologies to track progress.

Common Roles in a Software Company

CTO (Chief Technology Officer)

- Defines the company's overall technology strategy.
- Aligns engineering goals with business objectives.

Key Technical Terms & Core Concepts in Software Development

- **Algorithm** – A step-by-step process to solve a problem.
- **API (Application Programming Interface)** – Enables communication between software components.
- **Database** – A structured system for storing and managing data.
- **Frontend / Backend** – User-facing vs. server-side parts of an application.
- **Cloud Computing** – On-demand access to computing resources via the internet.
- **CI/CD** – Continuous Integration & Continuous Deployment for automation.
- **Version Control (Git)** – Tracking and managing changes in code.
- **Agile / Scrum** – Iterative frameworks for project management.

Education Pathways to Become a Software Developer

- **University Degrees:**
  - Computer Science
  - Software Engineering
  - Mathematics or Electrical Engineering
- **Bootcamps & Certifications:**
  - Full Stack Web Development
  - Data Science & AI Certifications
  - Cloud Certifications (Azure, Microsoft, AWS, Google Cloud)
- **Self-Learning:**
  - Open-source projects, GitHub contributions, online tutorials(udemy,youtube etc.).

Where Is the Software Industry Heading?
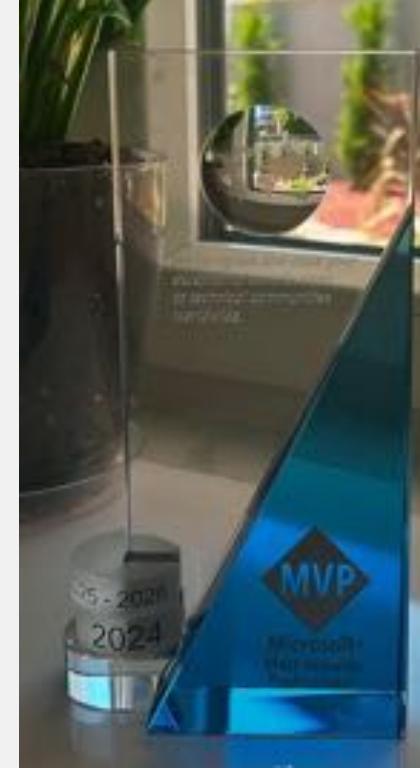
- Increasing focus on **AI and Machine Learning i**n daily tools.
- Growth of **Cloud-Native and Microservice Architectures.**
- Adoption of **Low-Code / No-Code** platforms for faster development.
- Expansion of **Cybersecurity, Data Privacy,** and **Edge Computing.**
- Integration of AI Assistants (like **Copilot**) into development workflows.
- Rise of Agentic AI and Autonomous Systems transforming DevOps and productivity.

The Role of Mathematics Engineers in Software

- Strong foundation in **logic**, **algorithms**, and **optimization**.
- Skilled in **data analysis**, **modeling**, and **simulation**.
- Fit naturally into roles like **AI Engineer, Data Scientist**, or **Software Architect.**
- Ability to bridge theoretical problem-solving with practical software implementation.
- Mathematics engineers often lead in **AI, ML, and research-driven** innovation.

Why Communities Matter

- Share, Learn, Collaborate, Innovate.
- Build skills and connections.
- Empower each other through collective growth.
- Communities turn individual learning into shared progress.

The Microsoft Most Valuable Professionals (MVP) program recognizes exceptional community leaders for their technical expertise, leadership, speaking experience, online influence, and commitment to solving real world problems. OverviewFind out more about the MVP Award Program.

	Article	Presentation
Hello Talks22		
DotnetConf23		
DotnetConf24		
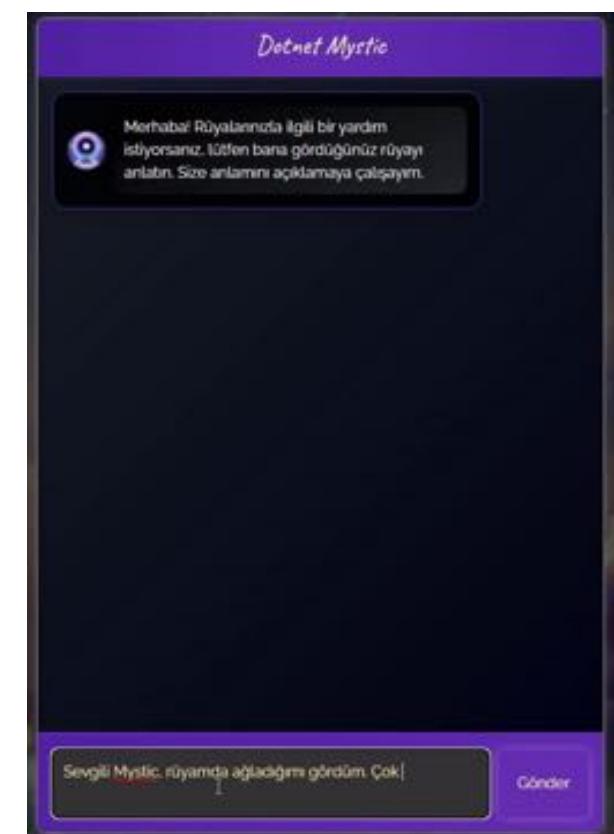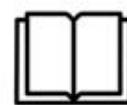
Developer Summit 24

GitHub

Dotnet Mystic

Merhaba! Rüyalarınızla ilgili bir yardım istiyorsanız, lütfen bana gördüğünüz rüyayı anlatın. Size anlamını açıklamaya çalışayım.

Sevgili Mystic, rüyamda ağladığımı gördüm. Çok | Gönder

THE CODERVERSE
MY COMMUNITY

thecoderverse
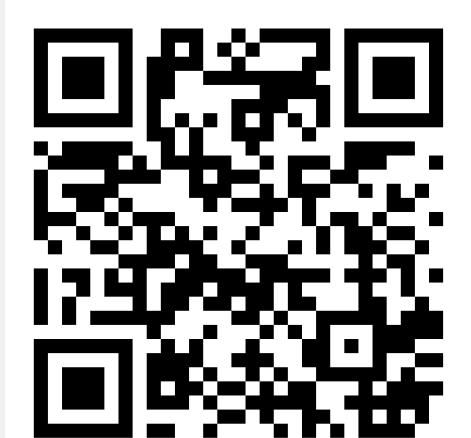
@thecoderverse
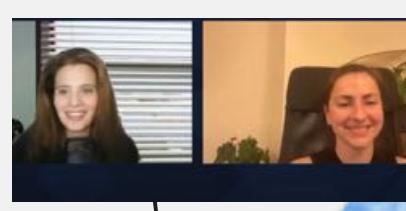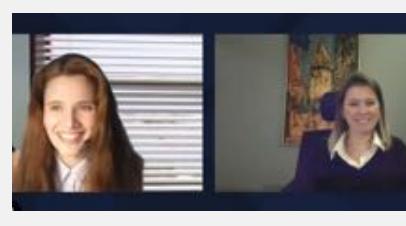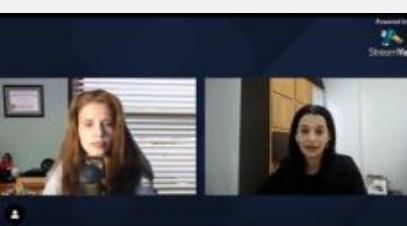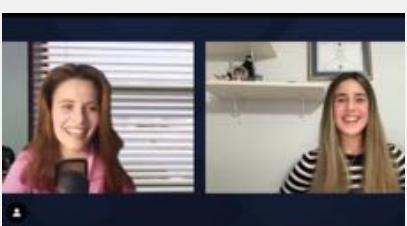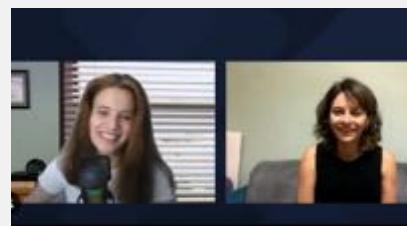
@thecoderverse

thecoderverse

Power Tech Girls

Useful Resources
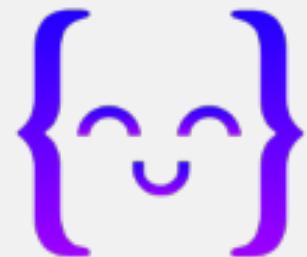
Roadmap - Road Map
Code Practices- Exercism
Which product, how - Stack Share
Motivation- Habitica
Software News- Daily Dev, Hacker
News, Medium
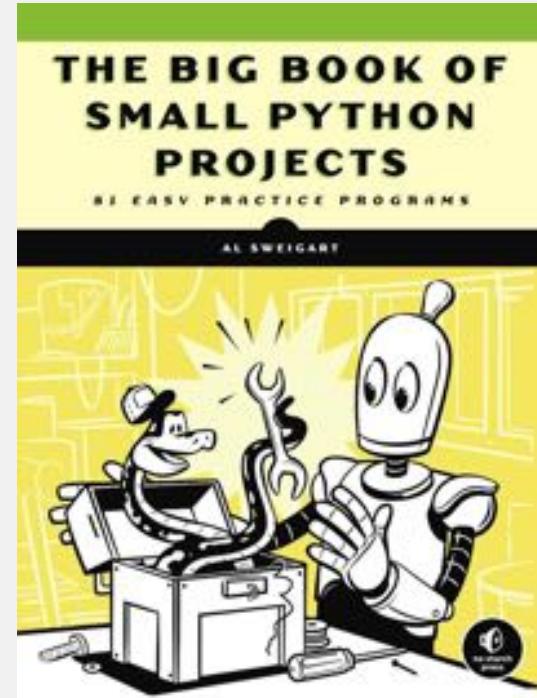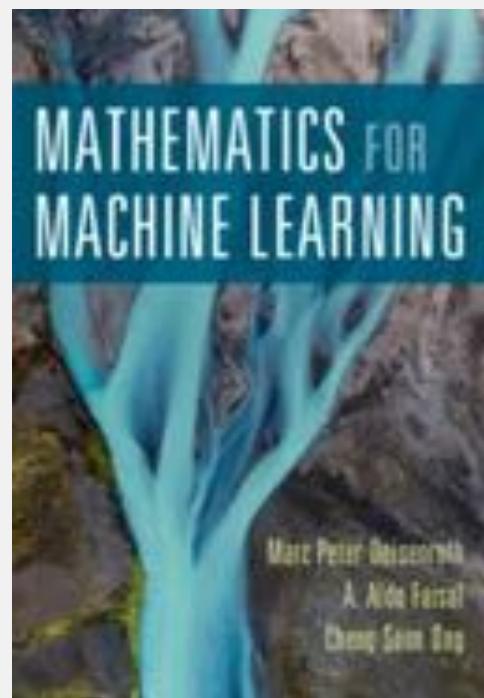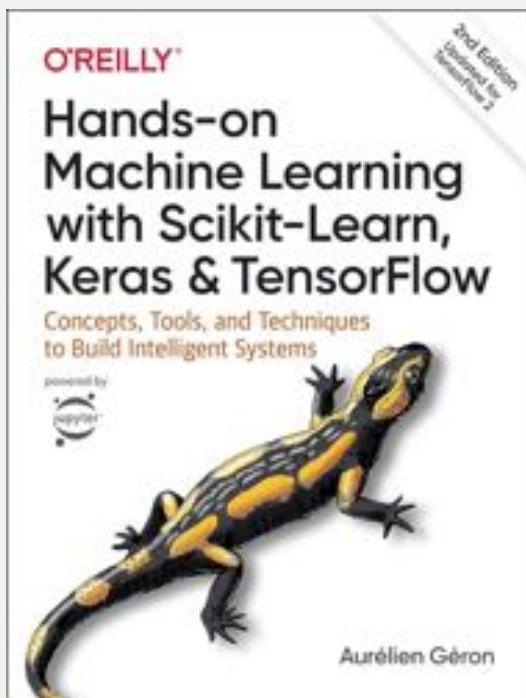
coursera

Medium
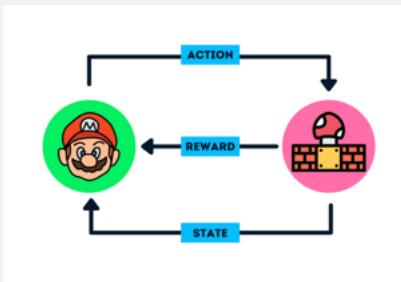
Useful Resources

Useful Resources

An In-Depth Analysis of Reinforcement Learning: A Reward-Filled Learning Adventure

Langchain

**AI Roadmap for Software Developers**

Useful Resources

ML. Net
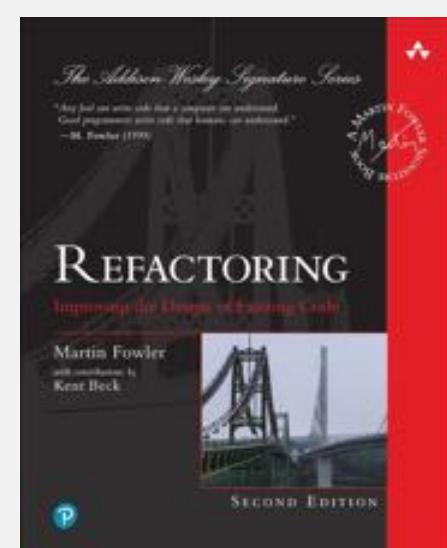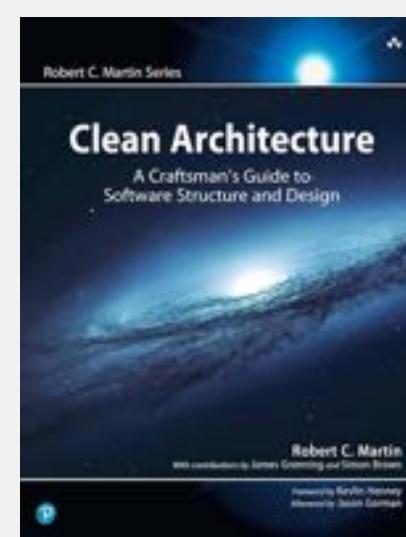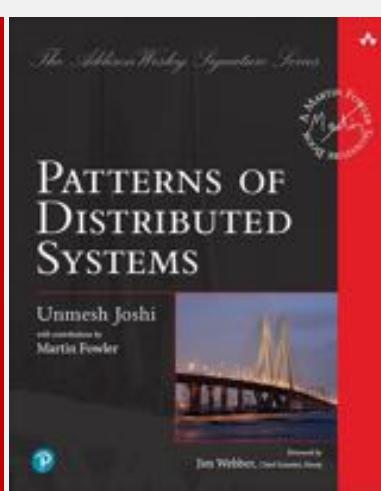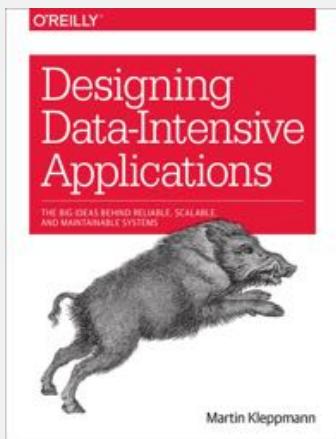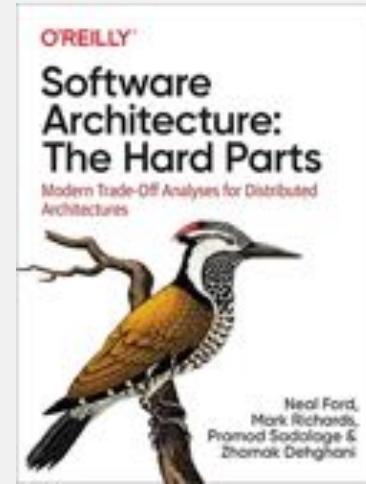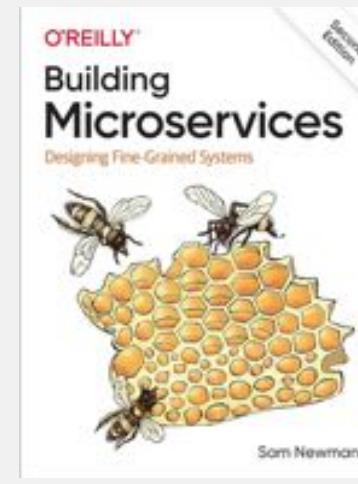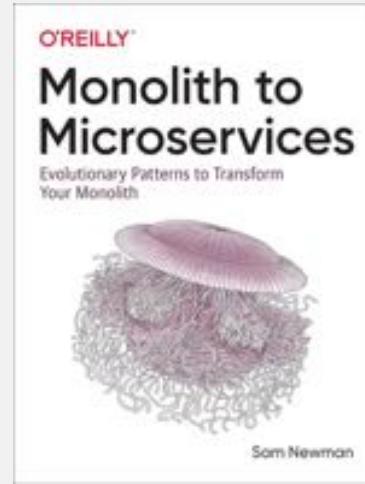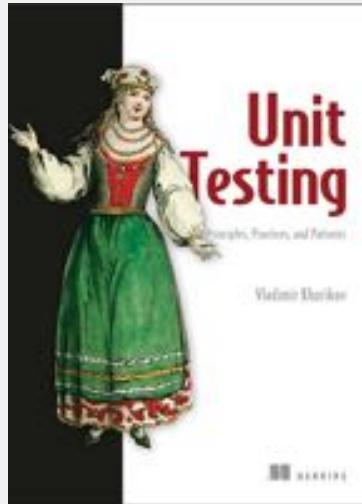
LangGraph

Using OpenAI Dotnet API

Useful Resources

Thanks

QUIZ