

Ugur Uker

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EDUCATION

SABANCI UNIVERSITY

MASTER OF SCIENCE IN DATA ANALYTICS

2016-2017 | Turkey

GPA: 3.84/4.00

YILDIZ TECHNICAL UNIVERSITY

BACHELOR OF SCIENCES IN ELECTRICAL ENGINEERING

2001-2005 | Turkey

GPA: 3.65/4.00

SKILLS

PROGRAMMING

C# • Python • JavaScript • T-SQL

SOFTWARE ENGINEERING

Software Architecture • System Design • Distributed Architecture • Object Oriented Design • Asynchronous Programming • Test Driven Development • Debugging • REST • Message Based Architecture • Microservices

ENGINEERING

Machine Learning • Scada System • PLC Programming • OPC UA

LEADERSHIP & MANAGEMENT

Coaching • Mentoring • Communication • Data-Driven Decision Making • Bias for Action • Line Management • Performance Management • Resource Management • Hiring

INTERESTS

Astrophysics • Physics • Baking • Woodworking • Skiing • Swimming • Self-learning

LINKS

LinkedIn:// [uguruker](#)

Twitter:// [uguruker](#)

Github:// [arcticle](#)

Website:// [uguruker.com](#)

ABOUT

A software engineer with a **learn-it-all** mindset and dedication to **continuous growth** and **learning**. During 17 years of experience in both the software engineering and automation industry, I have always been driven by learning through **taking on challenges**, embracing new **opportunities**, and obtaining **different points of view**.

EXPERIENCE

SIEMENS | Senior Software Engineer / Team Leader
November 2017 – Present | United Kingdom

- **Leading** and **supervising** a team of 7 software engineers at various experience levels, from entry-level talents to senior software engineers.
- Acted as **Software Engineering Manager** for 18 months to lead a team of 34 software engineers at various experience levels. Participated in **strategic** workshops to plan and drive the business's future. Performed **resource manager** and **hiring manager** roles to satisfy the resource demand from various active railway projects.
- Working in the R&D software team to **design** and **develop** Siemens' next-generation railway solutions for the UK railway industry.
- **Designed** and **developed** the next-generation railway SCADA system's core component which provides data access to various railway services in a distributed architecture.
- Worked in Crossrail software team to design and develop the interface between Siemens' flagship Scada system and onboard devices deployed onto the trains.

SIEMENS | Software Engineer

May 2014 – November 2017 | Turkey

- Worked in the development team of TIA Portal, a globally recognised industrial automation suite. Designed and developed this monolithic application's core data access layer to provide data access for various sub-components.
- Worked in the development of an energy management software suite that is developed for the automotive industry. Designed and developed the user interface and communication interfaces using OPC UA technology.

KOC SISTEM | Senior Software Engineer

November 2012 – May 2014 | Turkey

- Designed and developed a distributed workflow and torque control system for the assembly lines in Ford automotive factory. The system is comprised of 12 distributed stations that are coordinated centrally based on pre-defined work orders.

ACHIEVEMENTS

Feb 2022 Engineers' Development Programme for Future Leaders
Dec 2021 CMI Level 3 in Principles of Management and Leadership
Aug 2018 Kaggle Default Risk Competition Bronze Medal 403/7176
Aug 2016 ISAQB Certified Professional for Software Architecture