

# CENK AKARSU

## Senior Software Engineer

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## PROFESSIONAL SUMMARY

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A Senior Software Engineer and tech lead with over 13 years of experience, including significant leadership roles at **Meta** and **Microsoft**, where I **architected and delivered planet-scale, financial-grade cloud systems**. Specialized in distributed systems, fintech platforms, SOX compliance, and high-throughput real-time transaction processing. Proven leader in **guiding cross-functional teams, enhancing regulatory compliance, optimizing developer productivity, and ensuring audit readiness**.

## CORE SKILLS

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• Distributed Systems & Cloud Architecture • Financial Systems & SOX Compliance • Real-time Transaction Processing • Front-End & Back-End Development • Mentorship & Technical Leadership • Microservices & Scalability

## PROFESSIONAL EXPERIENCE

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### META

**Senior Software Engineer (Tech Lead)** | 01.2022 - Present | Amsterdam, The Netherlands

- **Led the end-to-end project lifecycle** for the Close Platform, a mission-critical system instrumental in Meta's monthly financial close, directly impacting financial reporting accuracy.
- **Architected and successfully delivered technical solutions** by gathering requirements from financial stakeholders, ensuring robust and compliant systems that **process over 120 billion dollars of revenue per year**.
- **Guided and mentored team members**, fostering engineering excellence and driving technical decisions to meet stringent demands of financial operations.

### MICROSOFT

**Senior Software Engineer** | 05.2018 - 11.2021 | Dublin, Ireland

- Developed and maintained full-stack solutions for **Microsoft 365** enterprise applications serving **millions of global users**.
- **Built highly scalable, multi-regional microservices** using Azure Service Fabric, handling high requests per second (RPS).
- Led UX/UI development, enhancing application usability through intuitive, accessible React and TypeScript interfaces.
- Architected and built internal tools and platforms, including a comprehensive monitoring dashboard, to improve engineering productivity and track the health of services across all regions.
- Mentored team members on React and TypeScript best practices and onboarded new engineers to the team's tech stack and development processes.

### GARANTI TECHNOLOGY

**Senior Software Engineer** | 02.2013 – 04.2018 | Istanbul, Turkey

- **Spearheaded R&D initiatives** using NLP, Named Entity Recognition (NER), and machine learning for document classification.

- **Developed a comprehensive Audit Management System**, streamlining task and resource management for Garanti Bank's Audit Board.
- Engineered scalable intranet and portal systems serving tens of thousands of bank employees nationwide.

## ETIYA INFORMATION TECHNOLOGIES

**Software Engineer** | 10.2012 – 02.2013 | Istanbul, Turkey

- Developed "Somemto," a semantic analysis and NLP-driven social media monitoring platform providing actionable insights for customer engagement.

## TRAKYA UNIVERSITY IT DEPARTMENT

**Software Developer** | 02.2009 - 06.2012 | Edirne, Turkey

- Developed a **patented** Braille alphabet learning tool for visually impaired children (hardware and software).
- Created academic performance evaluation systems and various departmental websites using ASP.NET and SQL Server.

## EDUCATION

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**Bahcesehir University | Ph.D (Doctor of Philosophy) | Computer Engineering | 01.2017 - Discontinued**

- *Research Areas: Deep Learning, Recommender Systems, Data Mining, Big Data, Machine Learning, Natural Language Processing*

**Yildiz Technical University | Master of Science | Computer Engineering | 10.2012 - 04.2016**

- *Thesis: "Predicting Turkish TV Ratings Using Twitter Data".*
- *Research Areas: Natural Language Processing, Machine Learning, Text Classification, Collective Learning, Data Mining*

**Trakya University | Bachelor of Science | Computer Engineering | 10.2008 - 06.2012**

- *Graduated 4th in class, GPA: 3.5/4*

## PUBLICATIONS

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**Turkish TV Rating Prediction with Twitter**

*24th IEEE Conference on Signal Processing and Communications Applications, 16-19 May 2016, Zonguldak Turkey*

## PROGRAMMING LANGUAGES AND TECHNOLOGIES

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Hack, React, C# .NET, Service Fabric, Angular, Typescript, Python, Javascript, Java, SQL, Powershell, PLSQL, Flutter

## AWARDS

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- Microsoft Ireland Fix & Hack & Learn Awards:
  - Best Contribution to Open-Source (2020 and 2021)
  - Best Learn Award (2018, 2020)
  - Best Fix Award (2019)
- Microsoft Global Hackathon Country Winner (Ireland, 2018)

## ADDITIONAL INFORMATION

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- Languages: Turkish (Native), English (Fluent - IELTS Academic: 8/9, PTE Academic: 87/90)
- Volunteer and board member of Garanti Technology Search and Rescue Team (GTAK)
- Passionate guitar player