

NAMIK BARIS IDIL

Software Engineering Leader & Solutions Architect

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PROFESSIONAL SUMMARY

Software architect with 19+ years of experience building robust, scalable solutions with an academic foundation that bridges theory with practice. Proven track record in architecting event-driven microservices platforms, leading high-performing engineering teams, and delivering mission-critical systems for major retail and gaming clients. Expert in cloud-native architectures, CI/CD automation, and technical leadership. Passionate about innovation, combining deep technical expertise with strategic vision to drive business growth through technology.

PROFESSIONAL EXPERIENCE

Lead Engineer

November 2021 — Present

Dunnhumby, Berlin

- Spearheaded architectural design and development of mission-critical advertisement management platform serving major retail clients
- Built and mentored high-performing engineering team through strategic hiring, technical coaching, and fostering culture of innovation
- Architected event-driven microservices infrastructure on Google Cloud Platform using Kubernetes and containerized deployments
- Drove technical excellence for company's highest revenue-generating system, directly impacting business growth

Senior Backend Engineer

October 2020 — November 2021

Popcore, Berlin

- Engineered robust and scalable backend infrastructure for mobile gaming platform supporting millions of concurrent users
- Designed and implemented event-driven microservices architecture using NServiceBus and MassTransit
- Optimized application performance through strategic caching with Redis and message queuing with RabbitMQ

Tech Lead

July 2019 — September 2020

Dunnhumby, Berlin

- Directed cross-functional engineering team delivering enterprise-grade advertisement management platform
- Implemented CQRS pattern and event-driven architecture, improving system performance and separation of concerns
- Established CI/CD pipelines using GitLab and containerization with Docker/Kubernetes

Solutions Architect

February 2018 — June 2019

Knowledge Experts, Ankara

- Led technical strategy and architectural vision for enterprise-scale applications serving government agencies
- Designed microservices-based solutions utilizing MongoDB and Neo4j graph database
- Established software engineering best practices and architectural guidelines across multiple teams

Team Lead

January 2013 — December 2017

BITES Defence & Aerospace, Ankara

- Directed software engineering team delivering mission-critical defense, aerospace, and training solutions
- Architected multi-platform applications using WPF, Angular, and Xamarin with microservices on Azure

Software Developer & Lecturer

October 2009 — December 2017

Ufuk University, Ankara

- Managed software development team for comprehensive information management systems
- Delivered 50+ courses covering programming, software engineering, AI, and parallel computing

EDUCATION

Master of Science in Computer Engineering

2006 — 2009

Baskent University, Ankara

- Full scholarship awarded for academic excellence • Thesis: Support Vector Machines and Gene Expression Data Analysis
- Published peer-reviewed research article in Turkish Journal of Medical Sciences

Bachelor of Science in Computer Engineering

2002 — 2006

Baskent University, Ankara

- Graduation project: Artificial Neural Networks and Image Processing • Specialization in AI and Web Technologies

TECHNICAL SKILLS

Languages & Frameworks

C#, .NET/.NET Core, TypeScript, JavaScript, Python, Java, Java Spring, Node.js

Cloud & DevOps

Google Cloud (GCP), Azure, AWS, Kubernetes, Docker, Terraform, Jenkins, GitLab CI/CD, Argo CD

Databases

PostgreSQL, MS SQL Server, MongoDB, Neo4j, Redis, Entity Framework Core

Monitoring & Testing

Prometheus, New Relic, AppDynamics, XUnit, NUnit, Jest

Frontend Technologies

React, Redux, Angular, Vue, HTML5, CSS3, Bootstrap

Architecture & Design

Microservices, Event-Driven Architecture, CQRS, Design Patterns, RESTful APIs

Message Brokers & Tools

RabbitMQ, Google PubSub, MassTransit, NServiceBus, SignalR

AI & Machine Learning

Support Vector Machines, Neural Networks, XGBoost, Data Analysis

PUBLICATIONS

- **Books:** "Bilinmeyene Yolculuk" (Science Fiction Novel), "Adaletin Keskin Kılıcı: Kral Arthur" (Novel)
- **Research Article:** "Development and validation of the Turkish version of the MNREAD visual acuity charts" - Turkish Journal of Medical Sciences, Vol. 41(4), 2011, DOI: 10.3906/sag-1008-1