



ANIL ATAY

Software Development Engineer

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OBJECTIVE

Experienced Software Development Engineer with 14 years of expertise in full-stack solutions, DevOps, and test automation, complemented by hands-on experience with GenAI technologies and modern LLM frameworks. With a B.Sc. in Computer Science and an MBA, I combine advanced technical execution with strategic business understanding. My foreign degrees are fully recognized in Germany. I hold a permanent residence permit and am seeking an Individual Contributor position in Germany.

EXPERIENCE

Software Designer

Sioux Technologies GmbH | Erlangen, DE

Mar 2020 – Jun 2025

- **Pioneered key technical initiatives**, including delivering a high-performance Blazor WASM Proof of Concept that became the primary WebFrontend framework, and acting as a Scrum Master.
- **Spearheaded critical backend and DevOps advancements**, developed and integrated a Python-based microservice for automated integration testing of four REST API microservices, thereby increasing test coverage and enabling early detection of bugs.
- **Responsibility for DevOps** processes and successful migration from AWS to an on-premises Kubernetes environment (MicroK8s), which improved system stability and reduced operating costs.
- **Full-stack developer**, consistently delivering backend-focused user stories and tasks, and gaining deep expertise across the entire Software Development Lifecycle (SDLC), from implementation and testing to configuration and microservice deployment.
- **Software Developer for a Windows GUI application using .NET WinForms for Siemens Healthineers**, which efficiently extracted and filtered critical logs from an AT C-arm device, and refactored existing Python scripts for seamless integration, leading to a contract extension.
- **Software Developer and Requirement Engineer for the C#/.NET development of "Add4Q,"** an Enterprise Architect plugin for planing, testing and document generation, using Scrum within a small team.

Experienced Software Development Engineer

Siemens A.S. | Istanbul, TR

Jul 2015 – Mar 2020

- **Automation of GUI tests** in the TIA Portal project through analysis of MSAA structures and the application of OOP and TDD principles, thereby replacing 185 manual test cases..
- **Significantly improved project efficiency** by reducing test duration **by 87.5% (from 40 to 5 hours)** through the implementation of test automation, enabling earlier defect detection and faster releases.
- **Development of test automation solutions for the Sinumerik Edge project**, a cloud-connected edge computing system, to ensure high availability of critical services after learning Linux with Python.
- **Development of a Python-based reverse proxy microservice** (WebSockets) and integration into the existing architecture, thereby increasing the team's flexibility and development speed.

Software Development Engineer

Yapikredi Bank A.S | Kocaeli, TR

Dec 2011 – Nov 2014

- **Managed the critical Fund Pricing application**, ensuring its continuous operation and daily reporting to SPK (Capital Markets Board) by handling new features, bug fixes, and regulatory change requests using C#, WinForms, MSSQL, and T-SQL, thereby preventing potential financial penalties.

- **Streamlined development and bug resolution** by interpreting and implementing SPK regulatory changes within tight timeboxes, leveraging personal expertise to facilitate faster development, testing, and bug fixing cycles, which contributed to the rapid launch of new financial products.
- **Contributed to the Harmoni core banking system project**, executing complex integration tasks between the Fund Pricing software and core banking endpoints, while ensuring downtime-free operations during a technical paradigm shift. This involved rapidly learning and applying Java, Oracle DB, Eclipse, J2EE, IBM RTC, and CVS, significantly expanding the technical skill set beyond the .NET ecosystem.

Software Developer

Avian Yazilim LTD | Istanbul, TR

Oct 2010 – Nov 2011

- **Developed and maintained ERP software applications** using C#, .NET WPF, MS SQL, Infragistics, Telerik Reporting, and Oracle OPM, providing essential customer support and bug fixes.
- **Conducted onsite deployments and demonstrations** of ERP software on Windows PCs and WinMobile devices, gaining experience in customer interaction, problem-solving, and understanding client needs.
- **Established a solid foundation in ERP systems and technical support**, through software delivery, client engagement, and troubleshooting, setting the stage for a career in software development.

EDUCATION

Master of Business Administration

Bahcesehir University | Istanbul, TR

Feb 2012 – Sep 2013

Bachelor Science of Computer Engineering

Eskisehir Osmangazi University | Eskisehir, TR

Sep 2005 – Jun 2010

TECHNICAL SKILLS

Programming Languages: C#, Python, SQL, T-SQL, Bash (Shell Scripts)

AI / GenAI: Microsoft Azure AI, Microsoft Foundry, Azure OpenAI Service, OpenAI API, LangChain, LangGraph,

Frameworks/Libraries: .NET (.Net 6, WPF, WinForms), Blazor WASM (Blazor WA), EF Core, J2EE, Infragistics, Telerik Reporting, OpenApi 2.0, Swagger, RestAPI, gRPC, Pandas, Polars, Numpy, FastAPI, Pydantic, Aiofiles, TailwindCSS

Databases: MS SQL, PostgreSQL, Oracle DB, AWS RDS

Cloud Platforms/DevOps: AWS Services (DynamoDB, EKS, ECR, SQS, IAM, S3Bucket, RDS, CloudWatch), Jenkins, GitHub Actions, Docker, Kubernetes, ArgoCD, Helm, Terraform, JFrog, Git, TFS-Git

Software Tools/IDEs: Visual Studio (VStudio), Eclipse IDEs, Oracle Toad, Rational Team Concert, JIRA, WinCVS, PowerDesigner, Pytest, Gherkin, Pytest-BDD, NUnit, MSA

Methodologies/Concepts: Scrum, Agile, OOP, Design Patterns, SDLC (V-model), UML, ERP Systems, WinMobile (for barcodes), Discrete-APIs, XML, TDD, Unit Testing, Integration Testing, Automated Testing

SOFT-SKILLS

Problem-Solving, Teamwork, Communication, Inter-Cultural Experience, Leadership, Proactive Approach, Analytical Thinking, Client-Centricity, Fast-Learning

LANGUAGES

Deutsch: B2 | **English:** C1 | **Turkish:** C2 (Native)

CERTIFICATIONS

Microsoft Certified AI-901 : Azure AI Fundamentals – Microsoft, Aug 2026

Deutsch B2 (DT für den Beruf) – TELC, May 2026

PCAP – Certified Associate Python Programming - OpenEDG, May 2019

PCEP – Certified Entry-Level Python Programming - OpenEDG, May 2019