Onat Buyukakkus

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Software Engineer with over 7 years of experience designing and building enterprise-grade systems. Specialized in application integration, API ecosystems, and ERP platforms. Expert in model-first system design, multi-connector architectures, and integrating business applications for the AI era and enabling intelligent agents to interact with enterprise systems.

EXPERIENCE

MICROSOFT | Senior Software Engineer
December 2018 – Ongoing | Copenhagen, Denmark

- Own end-to-end integrations of Business Central with external services including Shopify, Dataverse, Microsoft 365, Dynamics 365 enabling seamless data flow and ecosystem connectivity across Microsoft and third-party platforms.
- Led development of the Shopify Connector for Business Central — head engineer responsible for architecture, implementation, and maintenance using GraphQL APIs. Elevated the connector from concept to a trusted partner app in the ERP category with 8,000+ active merchants. Regularly collaborate with the Shopify team and represent the connector at conferences and partner events.
- Designed and implemented Business Central's Model Context Protocol (MCP) Server, leading the application side of the project. Drove work on configuration management, access control, tooling, and evaluation frameworks to support integration capabilities.
- Implemented Business Central API Stack v2.0, modernizing external connectivity with the OData standard, improving scalability, developer experience, and third-party integration performance.
- Owned Dataverse and Dynamics 365 Sales integrations, delivering bidirectional data synchronization and virtual table support. Architected a customizable synchronization engine to extend integration flexibility. Presented technical sessions at multiple conferences to evangelize integration.

CYBERSOFT | Software Development Intern
June 2015 – July 2015 | Izmir, Turkiye

- Implemented automation scripts to extract hardcoded UI strings to enable system localization. Refactored concatenated strings into parameterized formats, improving maintainability across the application.

RESEARCH

TECHNICAL UNIVERSITY OF DENMARK | MSc Student
Jan 2019 – July 2019 | Copenhagen, Denmark
Worked with **Per Bækgaard** on thesis titled **Pipeline for Analyzing and Visualizing Eye Tracking Data**. Developed a real-time eye-tracking data analysis and visualization pipeline to generate live attention maps and scanpaths from streaming data.

TRINITY COLLEGE DUBLIN | Research Intern
July 2016 – August 2016 | Dublin, Ireland
Worked at Distributed Systems Lab with **Stephen Barrett** on software evaluation. Developed a Yesod app that automates SonarQube execution process of GitHub projects for better understanding of software and metrics.

EDUCATION

TECHNICAL UNIVERSITY OF DENMARK
MSc in Computer Science and Engineering
June 2019 | Copenhagen, Denmark
TEV Garring Foundation Scholarship
3.62 / 4.0

MIDDLE EAST TECHNICAL UNIVERSITY
BSc in Computer Engineering
June 2017 | Ankara, Turkiye
Honors Degree
3.18 / 4.0

SKILLS

PROGRAMMING & DEVELOPMENT
C# • AL • Python • Git/GitHub

TECHNOLOGY
REST • GraphQL • MCP • Dataverse • Azure • Entra ID • Dynamics 365

ARCHITECTURE & DESIGN
Application Integrations • ERP Systems • Model-First Design • Enterprise Applications • Agent Design • AI Evaluation

LINKS

Github:// **onbuyuka**
LinkedIn:// **onatbuyukakkus**