

Duru Gencay

Software Engineer

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Summary

Software Engineering graduate with hands-on experience in cloud computing, backend development, databases, and scalable software systems. Experienced in Azure, AWS, Docker, SQL, and Oracle through an industry internship, Erasmus studies in Belgium, and academic projects. Passionate about cloud technologies, AI-driven applications, and building reliable software solutions.

Experience

Arkas Holding – Bimar IT	Feb 2024 – Mar 2024
Software Engineering Intern (Database & Cloud)	
• Worked with SQL and Oracle databases hosted on Microsoft Azure cloud environments. • Assisted in database optimization, query performance tuning, and system maintenance. • Supported database architecture while improving reliability and efficiency. • Analyzed operational data to support business reporting and decision-making.	
Yaşar University	Feb 2023 – March 2023
Student Ambassador & Software Engineering Representative	
• Represented the Software Engineering department during university promotion and recruitment events. • Demonstrated software engineering projects and explained core technical concepts to prospective students. • Guided visitors through the department’s laboratories, curriculum, and software development tools. • Strengthened communication and public speaking skills by engaging with large audiences and answering technical questions.	

Projects

RailPredict AI	Python · AWS Lambda · DynamoDB · EventBridge
• Designed a serverless architecture for collecting and processing Belgian railway data. • Automated scheduled data collection using AWS EventBridge and AWS Lambda. • Stored historical transportation data in DynamoDB for scalable predictive analysis. • Built a reliable cloud pipeline emphasizing scalability and cost efficiency.	
Project RIFT	Unity 6 · C# · AI Systems
• Developed modular gameplay systems using ScriptableObjects. • Implemented object pooling to improve runtime performance. • Created procedural level generation and adaptive AI mechanics. • Managed development using GitHub and Agile workflows with Jira.	

Education

Yaşar University	Sep 2022 – Jun 2026
B.Sc. in Software Engineering	Izmir, Türkiye
Hogeschool West-Vlaanderen (Erasmus Exchange)	Feb 2025 – Jun 2025
Applied Computer Science	Brugge, Belgium

Technical Skills

Programming	Python, Java, C++, C#, JavaScript, SQL
Cloud	Azure, AWS, Docker
Databases	PostgreSQL, MySQL, Oracle
Frameworks	React, Node.js, Unity 6, Java Swing
Developer Tools	Git, GitHub, VS Code, IntelliJ IDEA, Jira, Linux

Languages

- Turkish (Native)
- English (C1)
- Dutch (Beginner)