

# Muhammet Cihan ISILDAR

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## SUMMARY

Full-Stack Software Engineer with production experience building scalable backend systems and AI-powered applications. Experienced in distributed architectures, message queues, caching systems, and containerized deployments. Strong focus on performance optimization, system design, and LLM-integrated solutions.

## EDUCATION

|                                |                          |
|--------------------------------|--------------------------|
| Dumlupınar University          | 2021 - 2026 (June)       |
| • Bachelor of Computer Science | GPA: 3.55 / 4.00 (Total) |

## SKILLS

Languages: JavaScript, TypeScript, Python

Frontend: React (Next.js App Router), HTML, CSS, Tailwind, TanStack Query

Backend & Architecture: Node.js, Express, FastAPI, REST APIs, Clean Architecture, JWT (RBAC), WebSocket (Socket.IO), Redis, RabbitMQ, pgvector

Databases & DevOps: PostgreSQL (Prisma), MongoDB, Docker, Linux, Nginx, AWS (S3), CI/CD

## EXPERIENCE

|  |   |
|--|---|
| Backend Developer Intern<br>eManager   | Jul 2025 - Sep 2025<br>Netherlands (Remote) |
| • Reduced background task processing time by 40% by integrating RabbitMQ, Redis, Celery Worker, and Celery Beat within a Docker Compose environment.<br>• Built an AI-powered flight data analysis agent using OpenAI API and RAG (Retrieval-Augmented Generation) with pgvector-based semantic search in PostgreSQL for context-aware insight retrieval<br>• Contributed to Git-based workflows, code reviews, and CI/CD processes within a 10-person distributed engineering team. |   |

|   |                                 |
|---|---------------------------------|
| AI Engineer Intern<br>Turkcell  | Jan 2025 - Feb 2025<br>Istanbul |
| • Implemented concurrent multi-service REST integrations using Promise-based asynchronous workflows to ensure non-blocking execution and optimized response latency.<br>• Developed and validated backend service call pipelines for production chatbot systems, performing end-to-end functional and integration testing across multiple services.<br>• Researched Google's Titans architecture and delivered a technical evaluation presentation to a 15-person engineering team to assess integration feasibility. |                                 |

## PROJECTS

|   |   |
|---|---|
| Abroado   | <a href="#">Github</a>   <a href="#">Live</a> |
| • Designed and deployed a production-ready full-stack platform using Clean Architecture (Hexagonal Pattern) with Node.js, PostgreSQL (Prisma), and Redis caching.<br>• Implemented JWT-based authentication (access/refresh tokens), RBAC authorization, Google OAuth, and two-tier Redis caching with automatic invalidation.<br>• Engineered real-time chat with Socket.IO (WebSocket-only, MessagePack), and deployed containerized infrastructure on Linux VPS with Nginx and security hardening. |   |

|  |   |
|--|---|
| Bilgeverse   | <a href="#">Github</a>   <a href="#">Live</a> |
| • Built a student management platform for an association using Next.js, PostgreSQL, and AWS S3, featuring role-based access control, QR attendance, points system, and leaderboard — serving 100+ members<br>• Implemented an admin dashboard with Kanban board and sociometry analysis module identifying student leadership patterns and social dynamics through survey data |   |