



# İLAYDA KARKUŞ

## FRONTEND DEVELOPER

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### 🎓 EDUCATION

#### Gazi University

Computer Engineering  
GPA 3.0  
2021-2025

### ABOUT ME

Computer Engineering graduate from Gazi University with hands-on experience in building scalable backend services and high-fidelity frontend dashboards. Proficient in React, Vue.js, and Node.js, with a strong ability to translate complex Figma designs into pixel-perfect, performant code. Experienced in developing real-time systems using Socket.io and optimizing high-traffic applications with Redis and MongoDB. Passionate about modern UI/UX principles and building user-centric digital products within Agile environments.

### 🔑 SKILLS

- **Frontend:** React, Vue.js, TypeScript, JavaScript (ES6+), Tailwind CSS, Material UI, shadcn/ui.
- **Backend:** Node.js, Express.js, PHP (Laravel), C# (.NET Core), RESTful API Design.
- **Databases:** PostgreSQL, SQL Server, MySQL, Redis
- **Tools & DevOps:** Git, GitHub, Jira, Docker, Maven, CI/CD Basics
- **Methodologies:** Agile, Scrum
- **Additional:** Python (Flask, TensorFlow), Machine Learning Basics

### EXPERIENCE

#### FULL STACK DEVELOPER-NETGSM

- **Backend & API Development:** Developed a high-performance Traffic Monitoring Dashboard using Node.js and PHP (Laravel), implementing RESTful APIs to manage and process high-volume data streams.
- **Real-time Systems:** Architected a seamless real-time data flow using Socket.io, enabling instant metric updates and interactive data visualization without page refreshes.
- **Frontend & UI/UX:** Built modular and responsive admin panels by translating Figma designs into functional components using Vue.js (Vuetify) and React, focusing on user-centric data visualization.
- **Performance & Security:** Optimized system reliability by implementing Redis for caching, Indexing strategies in MongoDB, and Rate-Limiting to prevent system abuse and ensure high availability.
- **Workflow & DevOps:** Actively participated in Agile methodologies and Git-based workflows, utilizing Docker for environment consistency and GitHub Actions for basic CI/CD automation.

#### LONG-TERM INTERN – BOTAŞ PETROLEUM PIPELINE CORPORATION (ANKARA, 2025 – 3.5 MONTHS)

- Designed React-based user interfaces and ensured responsive design.
- Tested and optimized REST API integrations for data flow.
- Participated in code review processes.

#### SOFTWARE INTERN – FORTE BİLGİ BİLİŞİM & DEFENSE INDUSTRY INC. (ANKARA, 2024 – 1 MONTH)

- Developed single-page applications using .NET Core and React.
- Built reusable frontend components with Material UI.
- Worked in Agile teams focusing on reliability and performance.

#### SOFTWARE INTERN – NOYA SOFTWARE INC. (ANKARA, 2024 – 1.5 MONTHS)

- Developed backend services using Spring Boot and PostgreSQL.
- Designed REST APIs for internal data flow and authentication.
- Integrated version control workflows using Git.

#### SOFTWARE INTERN – 360MEKA SYSTEMS & IT (İSTANBUL, 2022–2023 – 6 MONTHS)

- Strengthened backend fundamentals with C# (.NET Core, MVC) and SQL Server.
- Gained practical knowledge in database management and system architecture.

### CONTACT

#### Linkedin

<https://www.linkedin.com/in/ilaydakarkus/>

#### Github

<https://github.com/ilaydakarkus2>

#### Portfolio

[HTTPS://PANORAMIC-BULB-639.NOTION.SITE/PORTFOLIO-2E05BA692B328087A595D5FDA41DCF922](https://panoramic-bulb-639.notion.site/Portfolio-2E05BA692B328087A595D5FDA41DCF922)  
SOURCE=COPY LINK

## LANGUAGES

- English
  - Writing B1
  - Listening B1
  - Speaking A2
  - Reading A2
- German A1

## HOBBIES

- Drawing and Digital Art
- UI/UX Design
- Volleyball and Team Sports
- Reading about Modern Technologies

## PROJECTS

### Personal Blog Website

- Technologies: Java, Spring Boot, PostgreSQL, React, Docker
- Implemented CRUD operations with RESTful APIs.
- Used JWT for authentication and role-based access control.
- Deployed locally using Docker Compose.

### Asynchronous Processing System (Academic Project)

- Technologies: Node.js, RabbitMQ \* Implemented a message queue system using RabbitMQ to decouple services and manage background tasks efficiently.
- Ensured message reliability and optimized consumer/producer performance.

### AI-Supported Interactive Health Platform for Gynecology – Gazi University (TÜBİTAK 2209-A) (2025)

- Technologies: ASP.NET Core, React, SQL Server, Python (Flask), TensorFlow
- Developed backend APIs integrating AI models (Logistic Regression, ResNet).
- Built a responsive frontend with React to visualize medical data.
- Managed relational database with SQL Server.

## REFERENCES

### Batuhan KIRMIZIGÜL

Software Development Lead, Forte Bilgi Bilişim A.Ş

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