



Bora Gültekin

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Work Experience

10/2025 - Ongoing

Munich, Germany

WORKING STUDENT SOFTWARE ENGINEER

DocRobin

- Fullstack development of web applications with a focus on AI integration for the medical sector, using **TypeScript, React, Next.js, Tanstack Start, Tailwind CSS, Keycloak, GraphQL, PostgreSQL, Contentful, Ollama, and Docker**

01/2025 - 10/2025

Munich, Germany

WORKING STUDENT SOFTWARE ENGINEER

Hospichef

- Fullstack development of two web applications used by hospital patients, hospital staff, and caterers which aims to digitalize and streamline food services in hospitals using **TypeScript, React, Vite, Tailwind.CSS, MUI, Django and PostgreSQL**
- Implemented client-side HTTP request caching to enable offline functionality for the hospital staff application, using **Redux and RTK Query**

06/2022 - 08/2024

Munich, Germany

WORKING STUDENT SOFTWARE ENGINEER

Allianz Direct DE (Allianz Technology SE)

- Developed and maintained frontend components using **EJS, HTML, and CSS**
- Managed and optimized tracking and analysis scripts within **Adobe Analytics**
- Engineered a **Node.js** service written in **TypeScript**, ensuring seamless integration with the **Adobe Analytics API** for automated data synchronization

11/2019 - 10/2020

Izmir, Türkiye

JUNIOR SOFTWARE ENGINEER

Turkish Economy Bank (BNP Paribas JV)

- Modernized the frontend of the internal staff application and built responsive user interfaces using **React, TypeScript, Node.js, and PostgreSQL**, improving application performance and maintainability

Education

2021 - 2026

Munich, Germany

MSC IN INFORMATICS

Technical University of Munich

- **Major:** Digital Biology and Digital Medicine
- **Minors:** Machine Learning and Analytics, Computer Architecture, Computer Networks, Distributed Systems, and Software Engineering
- **Master's Thesis (Exploring Interactive Virtual Avatars for Patient Consulting):** Developed a multimodal AI assistant for a medical platform to automate patient data collection, integrating conversational LLMs (**Qwen3, Gemma3, Mistral**) with real-time avatars and local STT (**Whisper**) and TTS (**Kokoro**) services for natural, privacy-focused interaction. Architected a containerized full-stack system using **Docker, TanStack Start, React, Bun, and PostgreSQL**, implementing security guardrails (**Llama Prompt Guard 2**) to protect the conversational pipeline against adversarial inputs and ensure low-latency performance

08/2015 - 07/2019

BSC IN COMPUTER ENGINEERING

Izmir, Türkiye

Izmir Institute of Technology

- Graduated with High Honors: **GPA: 3.85 / 4.00** (*higher is better*), **Rector's List (2019)** [↗](#)
- Track of Artificial Intelligence, Related courses: Data Mining, Machine Learning, Artificial Intelligence, Image Understanding
- **Bachelor's Thesis (Touchless Palm Biometric System):** A biometric system using a low-cost infrared camera, ultrasonic sensor, and Raspberry Pi to capture palm vein patterns and verify identity via computer vision and OpenCV-based image processing in Python

Projects

03/2023 - 08/2023

INTERDISCIPLINARY PROJECT

Munich, Germany

Hospichief - TUM School of Management ERI

- Interdisciplinary Project in collaboration with Hospichief and TUM ERI (Entrepreneurship Research Institute) to design, develop and improve two full stack web applications for digitalizing food services in hospitals by allowing patients to easily manage their meal orders and diets from their rooms, using **React, TypeScript, MUI, Tailwind CSS, Vite, Django, and Python**

10/2022 - 02/2023

PRAKTIKUM

Munich, Germany

EclipseSource - TUM Informatik SEBIS

- Praktikum in collaboration with EclipseSource and TUM SEBIS Chair to design and develop a full stack web application for managing developer workspace containers that run on the cloud with **React, TypeScript, Next.js, Tailwind CSS, Kubernetes** and **QuestDB**

09/2022 - 02/2023

SEMINAR

Munich, Germany

Mercedes-Benz AG & Salesforce - TUM Informatik

- Participated in a JavaScript Seminar at **RostLab (TUM)** [↗](#) in collaboration with Mercedes-Benz AG and Salesforce to develop a frontend web application for next-generation online showroom experience.
- Implemented a responsive frontend prototype using **React, TypeScript, and CSS**.

Skills

- **Professional:** HTML, CSS, JavaScript, TypeScript, React, Next.js, TanStack Start, Bun, Node.js, Tailwind CSS, Vite, Git, Docker, PostgreSQL
- **Personal & Academic:** Python, QuestDB, Java, LaTeX, Rust
- **Expertise:** Full Stack Web Development, Cloud-Native Architectures, AI & LLM Integration
- **Soft Skills:** Agile Project Management, Cross-functional Collaboration, Technical Documentation
- **Languages:** English (C1), German (A1.2), Japanese (A1), Turkish (Native)

Personal

- **Interests:** Web Development, AI, Medical Computing, Game Development, Astronomy, Physics, Aviation
- **Hobbies:** Techno, Video Games, Gym
- **Activities:** Board Games, Bouldering, Swimming, Table Tennis, Billiards