

# GUNTHER BIDLINGMAIER

Munich, Germany | [mail@bidlingmaier.net](mailto:mail@bidlingmaier.net) | [github.com/gbid](https://github.com/gbid)

## WORK EXPERIENCE

### Technical Founder

01/2024 - 07/2025

- ▷ **Bewerbungshelfer.net:** Job application optimization platform using LLMs
  - ▷ Developed full-stack production application, serving 100+ paying customers.
  - ▷ Implemented payments (Stripe), user auth, stream processing in async Rust, resume template in React.js.
  - ▷ Deployed on Hetzner Cloud including integration environment, monitoring, bot protection.
- ▷ **Filliant.com:** B2B user data import platform for LLM-powered form filling
  - ▷ Built email processing pipeline that extracts relevant user data with LLMs via Map-Reduce processing.
  - ▷ Developed embeddable iframe frontend for secure integration into customer websites.
  - ▷ Conducted customer discovery and sales meetings with executives at target companies.
- ▷ Rust (8k LoC) | TypeScript (9k LoC) | Axum | PostgreSQL | React.js

### Software Engineer in CTO Taskforce, Check24 GmbH

09/2023 - 01/2024

- ▷ Built a new server infrastructure for the core product of Check24 (car insurances).
- ▷ Selected for CTO's taskforce at company with 3000+ developers.
- ▷ Deployment of a new application on this infrastructure including CI/CD.
- ▷ Automatic creation of logical preview environments for feature branches as part of CI/CD pipeline.
- ▷ Implementation of high availability for the whole infrastructure, including the central MySQL database.
- ▷ Linux | Ansible | CI/CD | Kubernetes | Docker | MySQL

### Researcher at the Chair of Algorithms and Complexity, TU Munich

03/2021 - 03/2023

- ▷ Published algorithm research in Springer Nature - awarded best paper (top 4 of 43 submissions).
- ▷ Designed, analyzed, and implemented a greedy algorithm for a fundamental scheduling problem, simplifying understanding and implementation. Reduced running time from  $\mathcal{O}(n^3d^3)$  to  $\mathcal{O}(nd)$ .
- ▷ Taught 200 students across probability theory and advanced algorithms (graduate) courses.
- ▷ Rust | Discrete Optimization | LaTeX | Teaching

### Software Developer (Part-time Student Position) at BMW AG

04/2018 - 03/2019

- ▷ Implemented web applications (600 internal users) within internal data platform.

## EDUCATION

### M.Sc. Computer Science at Technical University of Munich

10/2017 - 12/2020

- ▷ Final grade: 1.1 (top 5% of class)
- ▷ Relevant coursework: Advanced Algorithms and Data Structures, Formal Methods, Algorithmic Game Theory

### Erasmus stay at Chalmers University of Technology, Gothenburg, Sweden

09/2017 - 02/2018

- ▷ Relevant coursework: Programming Languages, Dependent Types (Agda)

### B.Sc. Information Systems at Technical University of Munich

10/2014 - 09/2017

- ▷ Final grade: 1.4 (top 5% of class)

### High School Diploma (German Abitur) at Ellentalgymnasien

09/2006 - 08/2014

- ▷ Final grade: 1.8

## LANGUAGES

- ▷ German: native | English: fluent

## SELECTED ACTIVITIES AND AWARDS

- ▷ Scholarship program TUM: Junge Akademie 2016 - 2017
- ▷ Symphony orchestra Junge Münchner Symphoniker 2014 - present