

# Adrian Mihalcea

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## Education

### Technical University of Munich

M. Sc. Data Engineering and Analysis

2022 – Present

Munich, Germany

- > Areas of study - Data Engineering, Data Analytics, Data Analysis
- > Cross-disciplinary Master's programme between the Departments of Mathematics and Informatics

### "Politehnica" University of Bucharest

B. Eng. Computer Engineering - graduated with 9.68 / 10 grade average

2018-2022

Bucharest, Romania

- > Areas of study - Computer systems architecture, Embedded systems, System software development, Application software development, Information Technology

## Experience

### Deutsche Bank

Graduate - Backend Software Engineer

July 2021 – October 2022

Bucharest, Romania

- > Class of '22 of DB's prestigious Global Graduate programme
- > Daily contribution to code-base for the re-architecture effort of an aging international lending application
- > Grasped advanced concepts of Java Spring, communication within micro-services, bank-level security, Oracle SQL development (procedures, triggers, indexes)
- > Performed Dev-Ops duties (Kubernetes, Teamcity) for an application based on 20+ micro-services, deployed across 10+ regional and test instances

### Carly - The Good Drive

Working Student - Software Engineer

April 2023 – Present

Munich, Germany

- > Contribution to a mobile application for OBD2-based car diagnostics
- > Modernising the C++ communication layer between the mobile application and the OBD2 device
- > Development of a REST API and web application for the application's backend
- > Grasped the basics of Android and iOS development

## Projects

### Diploma Project - Verifying Document Authenticity on the Blockchain

2022

- > Application saving a digital copy of a document and its metadata on the Blockchain immutably, serving to authenticate future copies using a simple QR code
- > Smart Contracts, IPFS, Node.js API, React FE

## Skills

**Technology** Java (Spring Framework), C++, Python (NumPy, Pandas, PyTorch), C# (ASP.NET), Javascript (React)

**Language** English (C2 - Cambridge Certificate of Proficiency), French (A2 - DELF), German (A2 - self-assessed)