

MARTIN MOHAMMED

MID-LEVEL SOFTWARE ENGINEER



CONTACT

- Kleiner Hirschgraben 8
60311 Frankfurt
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- +49 179466 1350

LANGUAGES

- German | native
- English | fluent
- Spanish | basic

EDUCATION

Abitur (Ø 1.2) | Gerhart-Hauptmann-Schule, Germany
Focus in Math & Computer Science

SKILLS

Methods / Paradigms:
Product Owning, DevOps, Continuous Delivery, Agile Coaching, SCRUM, Kanban, Lean Startup, MVP

Programming Languages (+ MD):
TypeScript/Javascript, .Net, Bash/Shell, Go, SQL, Python, R, C++, HTML/CSS

Database & Tools:
PostgreSQL, MongoDB, MySQL, AWS DynamoDB

Data Science Tools:
Python3, Matplotlib, Pandas, Numpy, Scikit-learn, Scipy, Tensorflow, PyTorch, Langchain, Apache Spark, Apache Kafka, Apache Hadoop, AWS Redshift

Application Frameworks:
Angular 2+, React, Next.js, Vue, SST, LESS/SASS/SCSS

Build & CI/CD:
Gitlab CI, AWS DevOps, Github Actions, NPM, Yarn

Cloud technologies:
GCP, AWS, MS Azure, Kubernetes, Docker, CDK, SST

Version Control:
Git, Github, Gitlab

SUMMARY

My astonishing memory places me among the top 0.5% globally for memorizing more than 150 digits of pi — I'm the one known for my lightning-fast learning abilities and knack for delivering results flawlessly. Possessing an entrepreneurial and analytical mind (maybe due to my passion for high-level math).

Moreover, my achievements include leading iOS Mobile Development, securing a 50,000 Euro sponsorship from the German Ministry of Economy for our app, which gained 10,000 downloads within two months. I've also excelled in DevOps projects with PwC, handling Docker, Kubernetes, Google Cloud, and AWS. Additionally, my contributions to Machine Learning and Data Science encompass Neural Networks, Unsupervised Learning Algorithms, and crafting data infrastructure (ETL) using Apache tools and Python3.

EXPERIENCE (FULL-TIME)

MID-LEVEL SOFTWARE ENGINEER & DATA SCIENTIST

58agents GmbH, Frankfurt am Main | 06/2023 - present

- Lead Data Science initiatives, creating internal tools using OpenAI and Huggingface vector embeddings stored in Pinecone. Implemented RAG for contextual queries to the OpenAI LLM via Langchain using Pinecone as Vector Database.
- Developed ETL pipelines for Horizon, transforming Data Lake content to the Data Warehouse. Crafted specialized interfaces for BI Team to access crucial insights seamlessly.
- Involved in the DevOps segment of the PwC project led by 58agents, focusing on Kubernetes and Helm-based deployments.

MID-LEVEL SOFTWARE ENGINEER & PRODUCT OWNER

IBM Deutschland GmbH, Frankfurt am Main | 03/2023 - 06/2023

- Led the Body Culture Group project in Darmstadt as a young team leader, overseeing Data Analysis of customer data. Employed unsupervised learning algorithms like k-means to uncover customer patterns. Streamlined "cleansed" data transmission to the warehouse through an Apache Spark and Apache Kafka setup.
- The project encompassed front-end technologies including HTML, CSS, SCSS, React, Javascript, and Typescript. Additionally, it involved backend technologies like Python3, Apache Spark, Apache Kafka, AWS Data Warehouse (Amazon RedShift), and a Microservices Infrastructure utilizing REST APIs, Websockets, and Apollo GraphQL API.

JUNIOR SOFTWARE ENGINEER

Digital David AG, Frankfurt am Main | 06/2022 - 03/2023

- Led the Front-end & Design Team for the "Karrierakete" client project at IT-Frankfurt. Acted as the crucial liaison between the front-end, design team, and the client. Ensured seamless communication and guaranteed that the development quality aligned with customer expectations.
- Utilized technologies such as Microsoft Azure, JavaScript, TypeScript, HTML, CSS, SCSS, Tailwind, React, Figma, and Zeplin to facilitate project requirements.

JUNIOR SOFTWARE ENGINEER

IT Blox GmbH, Darmstadt | 10/2020 - 06/2022

- Assisted the CEO in a project with BASF, a collaboration with the German Chemistry Cooperation. Under the guidance of a seasoned data engineer, I learned invaluable best practices and common solutions, initiating my journey in this domain.
- Contributed to the development of ETL Pipelines utilizing Apache Spark, Apache Kafka, Apache Hadoop, MySQL, Python3, Docker, Kubernetes, and AWS for serverless infrastructure.

CERTIFICATIONS AND ACHIEVEMENTS

Startup funding by the German Government with 50.000 €

- Mobile Application FamilyTodoey made with iOS and published on Apple Store and 10.000 early adopters in Germany

Ranked #2 in national computer science competition

- Competitive Coding & Problem Solving (Math & Computer Science topics)

Ranked within the top 1% globally on Hackerrank in C++.

- Competitive Coding & Problem Solving



Succeeding in Web Development: Full Stack and Front End

Kurs von Martin Mohammed abgeschlossen
Okt 18, 2021 at 11:48AM UTC • 1 Stunde 3 Minuten

Top-Kenntnisse

Full-Stack-Entwicklung

Frontend-Entwicklung

A handwritten signature in black ink that reads "Darrell Boden".

Head of Content Strategy, LinkedIn Learning

Zertifikatsnummer: 80c4d800233c54cb0aa417175c90952713d5bd0fd40fb22a25e983275c7f4b73





Programming Foundations: Fundamentals

Kurs von Martin Mohammed abgeschlossen
Okt 17, 2021 at 09:50AM UTC • 2 Stunden 10 Minuten

Top-Kenntnisse

Programmieren

A handwritten signature in black ink that reads "Darrell Boden".

Head of Content Strategy, LinkedIn Learning

Zertifikatsnummer: 5e0c99461ae8bdd85e9d2e32e4d834e6d5d483f6b48c26dd1a08f5a9ec1d7b6





Programming Foundations: Databases

Kurs von Martin Mohammed abgeschlossen
Okt 18, 2021 at 10:24AM UTC • 1 Stunde 25 Minuten

Top-Kenntnisse

Datenbankentwicklung

A handwritten signature in black ink that reads "Darrell Boden".

Head of Content Strategy, LinkedIn Learning

Zertifikatsnummer: 0a03e3a7cff06ab8cea8d8bcccec8e3b48f4a130e5017e2e012c1cc44d3995fd



Issued on
9th October 2021



CERTIFICATE OF COMPLETION

Jon Peters, CM

Ashu Savani, CTO

Ben Spring, CEO

catF1sh

successfully completed the
Pre Security Learning Path

THM-J6S0JDR06N



Learning Python (2020)

Kurs von Martin Mohammed abgeschlossen

Okt 21, 2021 at 01:35PM UTC • 2 Stunden 27 Minuten

Top-Kenntnisse

Python (Programmiersprache)

A handwritten signature in black ink that reads "Darrell Boden".

Head of Content Strategy, LinkedIn Learning

Zertifikatsnummer: b5dda458dc45f91c711a9c686987b0b662c042975239cea71a245e5efe46f3c9





HTML Essential Training

Kurs von Martin Mohammed abgeschlossen

Okt 18, 2021 at 06:42PM UTC • 2 Stunden 45 Minuten

Top-Kenntnisse

HTML

A handwritten signature in black ink that reads "Darrell Boden".

Head of Content Strategy, LinkedIn Learning

Zertifikatsnummer: 4a07fd7dd405bfd2afc68f6db155fc25f1c742ab2156edb8ae8fce8195e4d27





Programming Foundations: Web Security

Kurs von Martin Mohammed abgeschlossen

Nov 14, 2021 at 03:18PM UTC • 2 Stunden 17 Minuten

Top-Kenntnisse

Sicherheit von Webanwendungen

A handwritten signature in black ink that reads "Darrell Boden".

Head of Content Strategy, LinkedIn Learning

Zertifikatsnummer: 376aac38c5f9de933846d4ee8c0c36b80cc65683e0f1c7136917a7e4774bc4f





Learning SQL Programming

Kurs von Martin Mohammed abgeschlossen
Nov 15, 2021 at 01:51PM UTC • 1 Stunde 46 Minuten

Top-Kenntnisse



A handwritten signature in black ink that reads "Darf Bodensteiner".

Head of Content Strategy, LinkedIn Learning

Zertifikatsnummer: 8e108859277f7e37913ff2e302cbfa6cec4c8df23f4df57d0553f1d5b02fe210





Learning Java 11

Kurs von Martin Mohammed abgeschlossen

Nov 13, 2021 at 01:33PM UTC • 2 Stunden 39 Minuten

Top-Kenntnisse



A handwritten signature in black ink that reads "Darf Bodensteiner".

Head of Content Strategy, LinkedIn Learning

Zertifikatsnummer: 50fe3eb2b2fd942eb5013b44fcbaeb7156b9c8ce2a502c84087a2e006438434b

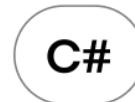




Learning C#

Kurs von Martin Mohammed abgeschlossen
Nov 14, 2021 at 02:48PM UTC • 3 Stunden 5 Minuten

Top-Kenntnisse



A handwritten signature in black ink that appears to read "Darf Bodensteuer".

Head of Content Strategy, LinkedIn Learning

Zertifikatsnummer: 293e62617e48f827f6304a8db80140bbb5061fdf83847236fc13f639ccb8ab8a





JavaScript Essential Training

Kurs von Martin Mohammed abgeschlossen

Nov 13, 2021 at 09:53AM UTC • 5 Stunden 29 Minuten

Top-Kenntnisse

JavaScript

A handwritten signature in black ink that reads "Darrell Boden".

Head of Content Strategy, LinkedIn Learning

Zertifikatsnummer: 76a189ab0f7586847ec754da11cffb342924e0c00da53f618d467fdc987f75f9





CSS Essential Training

Kurs von Martin Mohammed abgeschlossen

Nov 07, 2021 at 09:42AM UTC • 4 Stunden 29 Minuten

Top-Kenntnisse

Cascading Style Sheets (CSS)

A handwritten signature in black ink that reads "Darrell Boden".

Head of Content Strategy, LinkedIn Learning

Zertifikatsnummer: 1e441c27ab9d967432fc30e0959820bbef9644cb6de2f0717cc67f6864dd1b0b





Become a Software Developer

Lernpfad von Martin Mohammed abgeschlossen

Nov 15, 2021 at 01:51PM UTC • 30 Stunden 23 Minuten

Top-Kenntnisse

Programmieren

Softwareentwicklung

A handwritten signature in black ink that reads "Darrell Boden".

Head of Content Strategy, LinkedIn Learning

Zertifikatsnummer: 0450f90e4c09c8b4ddd57c4e2fe469910c0f11a885b84bab5dfe993aa352ae55





Certificate no: UC-389429c2-f8ab-4b82-b622-4256b0316618

Certificate url: ude.my/UC-389429c2-f8ab-4b82-b622-4256b0316618

Reference Number: 0004

CERTIFICATE OF COMPLETION

The Complete 2022 Web Development Bootcamp

Instructors **Dr. Angela Yu**

Martin Mohammed

Date **Feb. 7, 2022**

Length **55 total hours**



Certificate no: UC-cbd1e789-5205-44db-bbc6-eb81860e5b42
Certificate url: ude.my/UC-cbd1e789-5205-44db-bbc6-eb81860e5b42
Reference Number: 0004

CERTIFICATE OF COMPLETION

Modern React with Redux

Instructors **Stephen Grider**

Martin Mohammed

Date **March 14, 2022**

Length **52.5 total hours**



Certificate no: UC-a4780bac-7a17-4dd9-94c1-c84f671c50b3
Certificate url: ude.my/UC-a4780bac-7a17-4dd9-94c1-c84f671c50b3
Reference Number: 0004

CERTIFICATE OF COMPLETION

Understanding TypeScript - 2022 Edition

Instructors **Maximilian Schwarzmüller**

Martin Mohammed

Date **May 29, 2022**

Length **15 total hours**



Certificate no: UC-ad71b9b7-7cfc-447b-b504-bbcf37737ee9
Certificate url: ude.my/UC-ad71b9b7-7cfc-447b-b504-bbcf37737ee9
Reference Number: 0004

CERTIFICATE OF COMPLETION

AWS Serverless APIs & Apps - A Complete Introduction

Instructors **Academind by Maximilian Schwarzmüller, Maximilian Schwarzmüller**

Martin Mohammed

Date **July 25, 2023**

Length **8 total hours**



Certificate no: UC-a6af70aa-3aa8-4e30-89a9-dd09862b47e5
Certificate url: ude.my/UC-a6af70aa-3aa8-4e30-89a9-dd09862b47e5
Reference Number: 0004

CERTIFICATE OF COMPLETION

Double Your Social Skills and Instantly Connect With People

Instructors **Jimmy Naraine • 370,000+ Students, Jimmy Naraine Support**

Martin Mohammad

Date **April 6, 2023**

Length **8.5 total hours**



Certificate no: UC-2a22da70-c653-4d82-860b-d4a53643d95b
Certificate url: ude.my/UC-2a22da70-c653-4d82-860b-d4a53643d95b
Reference Number: 0004

CERTIFICATE OF COMPLETION

Python Django - The Practical Guide

Instructors **Academind by Maximilian Schwarzmüller, Maximilian Schwarzmüller**

Martin Mohammed

Date **June 12, 2023**

Length **23 total hours**



Certificate no: UC-ad71b9b7-7cfc-447b-b504-bbcf37737ee9
Certificate url: ude.my/UC-ad71b9b7-7cfc-447b-b504-bbcf37737ee9
Reference Number: 0004

CERTIFICATE OF COMPLETION

AWS Serverless APIs & Apps - A Complete Introduction

Instructors **Academind by Maximilian Schwarzmüller, Maximilian Schwarzmüller**

Martin Mohammed

Date **July 25, 2023**

Length **8 total hours**



Certificate no: UC-7f4ae01d-2565-4361-8085-787870843657
Certificate url: ude.my/UC-7f4ae01d-2565-4361-8085-787870843657
Reference Number: 0004

CERTIFICATE OF COMPLETION

AWS & Typescript Masterclass - CDK V2, Serverless, React

Instructors **Alex Horea**

Martin Mohammed

Date **July 31, 2023**

Length **14 total hours**



Certificate no: UC-565e27a9-652c-4a19-8b0a-9cb4a5f2251e
Certificate url: ude.my/UC-565e27a9-652c-4a19-8b0a-9cb4a5f2251e
Reference Number: 0004

CERTIFICATE OF COMPLETION

100 Days of Code: The Complete Python Pro Bootcamp for 2023

Instructors **Dr. Angela Yu**

Martin Mohammed

Date **July 31, 2023**

Length **58 total hours**