



Keying Wu

Full Stack Developer

wukeying0206@gmail.com

+49 17657626438

Munich, Germany

www.toptal.com/resume/keying-wu-cfa

Keying is a seasoned full stack developer focused on business outcomes, along with having a solid engineering background. With hands-on experience in all stages of software development, she is a life-long learner, a completionist, and a problem solver. Keying's expertise lies in building MVPs, web apps, enterprise software, web crawlers and REST APIs

SKILLS

Full Stack Requirements analysis C#.NET Python Flask Rest APIs Angular PrimeNG TypeScript
JavaScript VBA SQL PL/SQL PostgreSQL Git Jenkins CI/CD Pipelines WCF WPF AWS
IIS Automation Migration MATLAB

WORK EXPERIENCE

Lead Software Engineer UniCredit Group

01/2022 - 09/2022

Munich

Equity Innovation and development

Achievements/Tasks

- Led the project team to develop an investment platform www.onemarkets.de for structured products.
- Actively worked in an agile software development environment which utilized the Scrum process.
- Automated release tests upon implementing new features by integrating a Jenkins CI/CD pipeline, resulting in a 50% reduction in the execution time of the regression test.
- Migrated the old UI and rewrote the UI part of the issuance platform using Angular, and WPF. Reimplemented a front-end framework and maintained a reusable component set.

Senior Software Engineer UniCredit Group

12/2019 - 12/2021

Munich

Equity Innovation and development

Achievements/Tasks

- Developed an issuance platform for structured products using C# .NET, Oracle Database, and Angular, which issued 200 million derivative products, executing one million workflow actions daily.
- Coordinated sprints, retrospective meetings and daily stand-ups.
- Communicated with businesses to identify high-level and detailed requirements.
- Optimized the workflow engine with C#, which executes more than one million actions daily.
- Automated the evaluation process of release test results with Excel VBA.

Quantitative Business Analyst UniCredit via DevNet GmbH

04/2019 - 11/2019

Munich

Equity Innovation and development

Achievements/Tasks

- Creating, analyzing and validating business requirements, translating them into detailed functional requirements and user stories, and defining acceptance criteria and test cases.
- Developed complex advancement reports using PL/SQL for trading and sales of investment banking departments at UniCredit.
- Optimized a release test/regression test based on new features of trading and sales applications.
- Wrote SQL scripts, queries, and stored procedures to extract data.
- Optimized database performance by tuning queries and indexes.

WORK EXPERIENCE

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Software Engineer

BMW via EVA Fahrzeugtechnik GmbH

07/2016 - 03/2019

Achievements/Tasks

- Developed a dynamic simulation app for high-voltage batteries, using MATLAB and Python for estimating optimal profiles with physics-based models.

- Built a lithium-ion battery model using Dymola and MATLAB for various battery types.

- Developed a lifetime estimation tool for high-voltage batteries with MATLAB and Python.

- Automated simulation processes with the ability to configure and create parameters using Python multiprocessing pool.

- Automated data export and visualization in Excel with VBA.

Munich

EDUCATION

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TU Braunschweig

Automobile Engineering Msc

09/2013 - 02/2016

GPA 4.3/5

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Tongji University

Automobile Engineering Bsc

09/2009 - 08/2013

GPA 4.43/5

LANGUAGES

English

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Chinese

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German

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CERTIFICATES

CFA charterholder (12/2021 - Present)