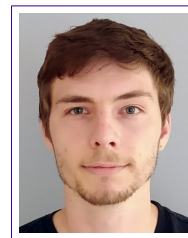# Malte Iwanicki

Koenigsallee 79, 14193 Berlin
📱 *+49 1517 2887 581*
✉ *malteiwa+job@gmail.com*
🌐 *malteiwanicki.github.io*

Experience

Pixida

Oct 2022 – Present — **Engineering Consultant**, *Berlin/Munich*

- Developed a tool tracker for full transparency and process optimization for over 300 machines and Tools
- Built a tool prioritization system using machine learning, reducing delivery time estimation errors from months to days.
- Designed a web app for tool utilization analysis.
- Leading and coaching team in Agile methodologies.
- implemented an ETL/ELT pipeline and a data warehouse using Elasticsearch.
- Enhanced data analysis, visualization processes, and automated tests.

DKB

Jul 2021 – Oct 2022 — **Data Scientist Python Engineer**, *Berlin*

- Conducted data analysis and visualization, developed algorithms, trained NLP models, and maintained Python systems. Automated answering of $\sim 70\%$ of customer emails.
- Created a CI/CD pipeline and developed a neural network for email processing, recovering lost metrics for over 6 million email conversations with $\sim 80\%$ accuracy.
- Developed an AI system that identified 8 times more phishing email addresses.
- Implemented a web scraper to extract investment information, applied OCR to PDFs, and created an email bot for regular updates.

Freelancer

2017 – 2021 — **Software Developer, Web Developer, Tutor**, *Berlin/Hannover/Wellington*

- Designed and implemented multiple websites using WordPress, Flask, Django, and FastAPI.
- Created web scrapers using Python libraries to extract data from various online sources.
- Developed an Instagram chat bot using Python libraries to boost follower interaction and increase social media engagement.
- Giving Bootcamps at Volkshochschule Hannover.Developing course materials and teaching about Python basics, clean code principles, and OOP concepts, and executed projects with students. As well as individual guidance for students, assisting them in job preparation and transition into the tech industry.

Programming Languages

Python	Main language used most problems.
JavaScript	Used for interactive web applications in various projects.
HTML/CSS/SQL	Used in various projects.
Java	Previous experience, not recently used.
Delphi	Previous experience, not recently used.

Technical Proficiencies

Cloud and Virtualization	AWS, Azure DevOps Server, Docker, Virtual Box, VDI
Development Tools	Docker, Git, GitHub, Azure DevOps, GitLab, CVS, SSH
Project Management	Jira, Confluence, Xray
Data Analysis and ML	Pandas, Numpy, Scikit-Learn, YOLOv8
Web Development	FastAPI, Django, Flask, Vue.js, WordPress
Databases and Search	SAP, SQLite, MongoDB, Elasticsearch, Kibana
Data Visualization	Jupyter, Dash, Plotly
Testing	Pytest

Key Competencies

Independence	Proven ability to work independently and make informed decisions. Demonstrated through freelancing successfully for years, leading teams and managing projects with minimal supervision.
Problem Solving	Strong problem-solving skills, showcased by developing effective solutions in complex project environments.
Creativity	Creative thinker. Having a diverse background gives me the ability to design innovative solutions without over engineering.
Agile and Remote Work	Proficient in agile methodologies and remote project management.
Data Handling	Experienced in big data, data analysis, data mining, data cleansing, and data science.
Code Optimization	Skilled in code performance analysis, improvement, and refactoring.
Data Visualization	Proficient in presenting data graphically and creating visual content.
Documentation and Maintenance	Skilled in creating clear technical documentation and performing regular updates and bug fixes.
NLP	Proficient in processing and analyzing human language data.
Test-Driven Development	Proficient in writing tests to improve code reliability.
Web Scraping	Proficient in extracting data from websites.
ETL and Dependency Management	Experienced in ETL processes and managing software dependencies.
Virtual Machines	Skilled in using virtual machines for creating different computing environments.

Education

2014–2019	**Master of Fine Arts**, *Universität der Künste Berlin* Focus: Digital Art, Conceptual Art, and Installations
2020–2024	**Bachelor's Degree in Informatik**, *Fernuniversität in Hagen* Focus: Data Mining, Smart Grids, Distributed Systems, Datenbanken und Informationssysteme

Languages

English	Fluent, regularly used in personal life.
German	Native language.

Certifications

Nov 2022	SAFe® 6.0 Product Owner/Product Manager
Jul 2023	SAFe® 6.0 Scrum Master/Team Coach