

# Tobias Czyzewski

## Managing Director at BidFlow Technologies | IT Contractor

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📍 Hamburg, Germany



### SUMMARY

Managing Director and IT Contractor with great strength in pragmatic thinking and creative problem solving. Passionate to innovate and solve difficult problems in elegant and efficient ways. High self-learning competence and inclination to sensible decision making. Actively leading business operations and playing key roles in previous projects trained me in professional and proactive collaboration with others. Excellent work ethic to get things done.

### EXPERIENCE

#### Full Stack Developer

06.2024 – 06.2025

Client: [E.ON Digital Technology](#)

- played a key role in a newly established IT infrastructure team with significant impact on the design and development of a completely new product (API facade to unify and centralize various business domains)
- optimized delivered solution for maintainability, scalability and cost-effectiveness
- delivered quality set the bar to a new level in the whole division and teams in other divisions working on similar topics were impressed by the extent of our solution
- established state-of-the-art identity and access management mechanisms including advanced authentication and authorization concepts as well as identity federation

Tech: AWS (Cloud-native), IaC (AWS CDK), CI/CD (GitLab pipelines), DevOps, JavaScript/TypeScript, Node.js, React (E.ON Home frontend), APIs, Redis, IAM, OAuth 2.0

#### Managing Director, Solutions Architect, Full Stack Developer

01.2020 – present

[BidFlow Technologies](#)

- running systematic trading operations in the cloud (extensive experience with AWS, built entire tech stack from scratch)
- supervising BidFlow Technologies' tech stack (day-to-day administrative tasks to ensure business operations run smoothly)
- expanding BidFlow Technologies' trading platform on a continuous basis (involving cloud infrastructure planning, Big Data management, DevOps, distributed systems, event-driven architectures, backend/frontend development, data science, and more)

Tech: AWS (Cloud-native), IaC (Terraform), CI/CD (GitLab pipelines), DevOps, Microservices, Docker, Container Orchestration, Rust, JavaScript/TypeScript, Node.js, React, (No)SQL databases, Redis, Python, Firebase, iOS, Swift

#### Research Assistant

04.2019 – 03.2021

[Kiel University](#)

- collaborated closely with Computer Science professors and colleagues to run university teaching operations (assignment feedback, exam supervision, exam feedback)
- professors and colleagues alike valued my dedication and quality of work

Tech: Linux, Java, C, C++, Qt, OpenCV

#### Founder of "The Dawnless Days"

03.2014 – 09.2018

[Open Source](#)

- built an international core team (some team members are involved in the project to this day)
- developed new tools and workflows to customize third-party game content (pushed the envelope of what was possible at that time)
- project is known for industry standard quality (managed to deliver highest quality even if it is an open-source project)

Tech: C, OpenGL, 3ds Max, ZBrush, Adobe Substance 3D, Adobe Photoshop, CA Assembly Kit

### EDUCATION

#### Master studies in computer science

10.2019 – 06.2024

[Kiel University](#)

#### Bachelor's degree in computer science

10.2016 – 10.2019

[Kiel University](#)

- Bachelor thesis:  
**Simultaneous Localization and Mapping for the Formula Student Team Kiel**
  - thesis goal:** develop a SLAM algorithm for the Formula Student Team Kiel as part of an autonomous driving suite for their race car
  - thesis grade:** 1,0

#### Cambridge English Level 1 Certificate

06.2016

[Cambridge Assessment English](#)

### ADDITIONAL ACHIEVEMENTS

#### Scholarship "Deutschlandstipendium"

10.2016 – 10.2021

[Kiel University](#)

- scholarship was gratefully received for four academic years in a row for above-average performance in school and university

#### DMV-Abiturpreis 2016

06.2016

[High School Elmschenhagen](#)

- award to acknowledge excellent diploma performance in mathematics

### LINKS

[tobiас.czyzewski.com](#)

[bidflow-technologies.com](#)

[linkedin.com/in/tobias-czyzewski](#)

### LANGUAGES

German (native)

English (proficient)

### SKILLS

#### Amazon Web Services

notably: CloudFormation, VPC, Route 53, API Gateway, EC2, ECR, ECS, ElastiCache, Lambda, S3, DynamoDB, CodePipeline, CloudWatch, Athena, Cognito, Amplify, AppSync, SNS

#### Infrastructure as Code

notably: AWS CDK, Terraform

#### DevOps, Continuous Integration workflows

notably: GitLab pipelines

#### Microservices / Distributed Systems

in particular: containerization Docker, orchestration with AWS ECS and Kubernetes, event-driven architectures

#### Big Data Management and Analytics

#### JavaScript / TypeScript

frontend: notably React and Angular  
backend: notably Node.js

#### Rust

notably: tokio, tonic, low-latency architectures

#### (No)SQL Databases

in particular: MongoDB (Atlas), AWS DynamoDB

#### Python

in particular: pandas, numpy, TensorFlow, Dask, Plotly, Jupyter Notebook

#### C and C++

notably: Qt, OpenCV, OpenGL, ROS

#### Java

#### Web Development

in particular: HTML, CSS

#### Mobile App Development

notably: Swift for iOS, Firebase

#### Unit Testing / TDD / BDD

in particular: Jest, Vitest, Mocha

### DOMAIN KNOWLEDGE

#### Financial Markets

asset classes, economics, derivative instruments, monetary policy, blockchain, cryptocurrency (Bitcoin)

#### Automated Trading

risk management, time series management and analysis, statistical analysis, event-driven systems, low-latency architectures, API trading, resilient architecture, real-time monitoring, performance evaluation