

MAXWELL ABOAGYE

Hamburg, Germany

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EDUCATION

Bachelor of Science in Computer Science

Free University of Bozen-Bolzano

Relevant coursework: Algorithms, Data Structures, Distributed Systems, Software Engineering

Graduated October 2025

Bozen-Bolzano, Italy

PROFESSIONAL EXPERIENCE

On-Road Management Associate

Amazon

October 2024 – Present

Hamburg, Germany

- Monitor delivery operations data across Hamburg network to identify and address service risks
- Built browser extension to automate delivery partner communication workflows, reducing manual process to single-click operation for operations team
- Developed custom Grafana dashboards with Elasticsearch queries to surface delivery partner metrics not available in existing monitoring tools
- Implemented CI/CD pipeline with GitHub Actions for extension deployment, enabling automated testing and Amazon Chime notifications

TECHNICAL SKILLS

Frontend

React.js, Next.js, React Native, TypeScript, JavaScript, HTML/CSS

Backend

Node.js, Convex, Spring Boot, Java, Python, PostgreSQL, MySQL, REST APIs

Cloud & DevOps

AWS (EC2, S3, Lambda), Azure, Docker, Kubernetes, Terraform, GitHub Actions, CI/CD

Data & Analytics

Excel (VBA, Macros), Grafana, Quicksight, Elasticsearch, Tableau, Power BI

PROJECTS

Pista - AI Startup Pitch Evaluator (Bachelor Thesis)

[Live Demo](#)

- Built Next.js application that evaluates startup pitches using OpenAI API, scoring across problem-solution fit, business model, pitch quality, and team capability
- Integrated Whisper API for speech-to-text transcription and engineered detailed prompt templates to prevent score clustering and generate actionable feedback
- Implemented Convex backend with rate limiting to support concurrent pitch evaluations

Wordle Clone - React Native

[GitHub](#)

- Developed cross-platform mobile game with React Native, TypeScript, and Expo
- Implemented game logic with Context API state management and AsyncStorage for statistics persistence

Tourism Activity Data Analyzer

[GitHub](#)

- Built ETL pipeline processing 10,000+ tourism records from Open Data Hub REST API using multithreaded Java architecture
- Optimized memory usage and HTTP connection handling to resolve heap space constraints when processing full dataset
- Integrated Gson/Jackson for JSON parsing with automated schema validation

LANGUAGES

English (Native), German (B2), Italian (C1)