

AZIZ BAATOUT

Student Software Developer

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EDUCATION

HoGent

Bachelor of Applied Computer Science, **AI and Data Engineering**

Sep 2023 – Jun 2026

Ghent, Belgium

IVG School

High School Education (ASO) in Science and Mathematics

Sep 2017 – Jun 2023

Ghent, Belgium

EXPERIENCE

Solutions Architect

Amazon Web Services, Internship

Jun 2025 – Sep 2025

Brussels, Belgium

- Delivered an internship project **for a customer**, with **8 other European customers expressing strong interest**.
- Implemented Infrastructure as Code, making the solution **reproducible in ~5 minutes**.
- Authored an AWS blog post (pending approval) and **earned 3 AWS certifications** during the internship.

Data Engineer

Optios, Student Job

Mar 2025 – Jun 2025

Lochristi, Belgium

- Developed a data pipeline integrating external sources into the CRM for prospect qualification.
- **Filtered prospect lists by 30%** using data-driven methods, **saving 300 hours of manual work**.

Full Stack Developer

Ghent University, Student Job

Mar 2025 – May 2025

Ghent, Belgium

- Dived into a non-documented Django/Nuxt.js codebase, forcing me to deepen Docker knowledge and learn SAML.

Software Developer

Fintrax, Student Job

Feb 2024 – Mar 2025

Ghent, Belgium

- Implemented document parsing, automating data extraction and **eliminating reliance on costly third-party providers**.

Software Developer

EB Accountancy, Internship

Aug 2023 – Apr 2024

Brussels, Belgium

- Automated invoice processing using AI + ML classification, **cutting processing time to under 1 minute/invoice**.
- Lowered manual and cognitive workload for accountants, directly **increasing throughput and accuracy**.
- Implemented continuous learning and human-in-the-loop, **reducing error rates** and **improving the system with each invoice processed**.

PROJECTS

Driving Exam Monitoring System

| FastAPI, MongoDB, Google Cloud, Docker, Stripe

- Built a platform serving **50+ users**, enabling them to secure driving exams **within 2 weeks** instead of 4–5 months via SBAT.

TV Viewership Forecasting (University Project)

| Python, Pandas, Scikit-learn, FastAPI

- Developed an end-to-end ML system (ETL → modeling → inference API) for forecasting TV viewership
MAPE 13% and R² 0.94.

LANGUAGES

Dutch (Native), Arabic (Native), French (Proficient), English (Proficient)

CERTIFICATIONS

AWS Certified Solutions Architect, AWS Certified AI Practitioner, AWS Certified Cloud Practitioner, MongoDB Associate Data Modeler, Harvard CS50 Python

TECHNICAL SKILLS

Java, Python, Scikit-learn, TensorFlow, Django, FastAPI, TypeScript, Next.js, Express, REST, tRPC, GraphQL, PostgreSQL, SQL Server, MongoDB, Kafka, Spark, AWS, GCloud, AWS CDK, Pulumi, Terraform, Turborepo, GitHub Actions CI/CD