

Antoni Wuczyński

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PROFILE

Final-year MEng Computer Science student at UCL and full-stack software engineer with two years of startup experience building client-facing software, operational dashboards, GenAI proposal tooling and internal RAG systems. Strongest across TypeScript, React, Python, AWS, Postgres, ClickHouse and applied AI/data systems.

EDUCATION

University College London

London, UK

MEng Computer Science, expected 2:1

Expected Jun 2026

- Relevant modules: Automated Software Engineering, Requirements Engineering and Software Architecture, Networked Systems, Quantum Computation, Computer Systems, Compilers, Security, Software Engineering and Algorithms.
- Final-year project: Python randomness evaluation framework for PRNGs, CSPRNGs, TRNGs and QRNGs, including extractors, statistical tests, IBM Quantum generation and a Mitsuba proof of concept connecting RNG quality to Monte Carlo rendering.

Medical University of Warsaw

Warsaw, Poland

MBBS Medicine, completed two years of six-year programme before transferring

2020 – 2022

EXPERIENCE

Vividata

London, UK

Software Engineer

Apr 2024 – Apr 2026

- Built full-stack software for aviation operations optimisation, GenAI proposal automation, scraping pipelines, data analysis and internal RAG tooling in a startup engineering team that grew from 5 to 11 people.
- Contributed to a large-scale aviation platform for a Vietnamese airline, turning legacy AIMS, AMOS and SAP data into maintenance and scheduling dashboards over millions of rows and thousands of source tables.
- Built frontend and backend functionality using TypeScript, React, tRPC, Kysely, Postgres, ClickHouse and AWS, from requirements gathering through implementation, deployment and client-facing demos.
- Built operational and reliability dashboards including live fleet status, AOG aircraft, active incidents, unavailable aircraft, defect patterns, total defects and related part failures.
- Contributed to database cleaning, restructuring, analytics tables, query optimisation, pagination, caching and indexing to improve performance on heavy operational dashboards.
- Implemented statistical delay propagation logic using historical turnaround times grouped by airport, aircraft model and route type, producing percentile-based buffers to identify downstream delays and aircraft alternatives.
- Built a product-integrated email client using AWS SES, React and Postgres on AWS, supporting inbox, compose, threads, attachments, templates and auto-filled operational emails for airline stakeholder communication.
- Researched and scaffolded aviation communication workflows based on AIDX, SITA Type B, SSIM and A-CDM standards, including data models, implementation scaffolding and design documentation for future integration.
- Built a GenAI proposal generation platform for a Polish law firm, using Anthropic models and retrieval over thousands of historical offer documents to recommend lawyers and relevant experience; platform is used daily by the client.
- Built Atlas, an internal RAG tool ingesting PDFs and images with PaddleOCR, Markdown conversion, chunking, embeddings, AWS-backed storage and retrieval through a CLI, Slack bot and MCP server.
- Built scraping and analysis pipelines using headless Chrome/Selenium, BeautifulSoup, pandas, NumPy and matplotlib to analyse Netflix metadata across six markets, plus a separate airline ticket-pricing scraper.
- Delivered demos and technical presentations to client executives, including a major aviation platform delivery presentation and direct ownership of the legal proposal-generation client relationship.

EARLIER EXPERIENCE

Zagrywki Activity Bar, Host, Warsaw

Jun 2022 – Sep 2022

Klinika Ambroziak Plastic Surgery Hospital, Translator, Warsaw

Jun 2021 – Jul 2021

Fundacja Hematologii Rodziny Bogdani, Volunteer, Warsaw

Mar 2018 – Mar 2020

TECHNICAL SKILLS

Languages: TypeScript, Python, JavaScript, SQL

Frontend: React, tRPC, Mantine, Tiptap

Backend/Data: Postgres, ClickHouse, DynamoDB, Kysely, AWS S3, EC2, SES, Secrets Manager, pandas, NumPy

AI/Data Systems: RAG pipelines, OCR, PaddleOCR, embeddings, Anthropic, prompt engineering, statistical testing, Qiskit

Tools: Git, GitHub Actions, Terraform, AWS CDK, Docker, Vercel

Additional: C, Java, Haskell

Languages: English fluent, Polish native, Spanish beginner, Sinhala beginner