KRZYSZTOF KOZAK, PHD

LIFE SCIENCES | BUSINESS INTELLIGENCE | BIG DATA | AGILE PROJECT MANAGEMENT

Lipowa 51, 05-803 Pruszków, Poland | +48 574 488 617 | kozak.biotech@gmail.com | linkedin.com/in/kozakk

- **Life scientist turned Consultant and Product Owner with a record of adapting the latest tech.**
- **Spearheaded a digital transformation with 100x increase in data volume, with 6 partner institutions.**
- **Supervised 14 MA/PhD-level reports across 3 top universities and CEE's most profitable biotech.**
- **Reviewed and advised dozens of startups, helping to award $10 million in government grants.**
- **Effective speaker and writer: communicated complex insights through 22 technical reports.**

EDUCATION

University of Cambridge, UK • Zoology (Genomics): **PhD**   10/2011 – 6/2015

Balfour Browne Fellowship. *Cambridge Philosophical Society* award "for an exceptionally promising thesis".
Graduate student representative. Taught undergraduate and master's classes.

University of Cambridge, UK • Zoology (Bioinformatics): **MPhil**   10/2010 – 8/2011

Herchel Smith Science Studentship.

Harvard University, USA • Biology: **BA *cum laude***   9/2006 – 5/2010

Program for Research in Science and Engineering. *Hoopes Prize* for the best honours thesis.

EXPERIENCE

KozakDx, Warsaw, Poland • *R&D Consultant*   3/2024 – present

- Expert @ *Polish Agency for Medical Research* (ABM): **helped disburse $10M in grants**.
- Judge @ *MIT StartSmart CEE* and *PARP* competitions: evaluated 30+ biotech startups.

Scope Fluidics S.A., Warsaw, Poland • *Entrepreneur in Residence*   12/2023 – 10/2024

- **Established 3 new business lines in diagnostics** at Poland's most successful innovative biotech company.
- **Led a team of 5 analysts using Scrum** principles. Disciplined Entrepreneurship within a venture studio.
- Spearheaded data-driven decision-making, **aligning business objectives and technological capabilities**: determined project objectives and pivoted based on interviews with users and KOLs in the EU and USA.
- Due diligence on the measurable outcomes of 5 startups seeking investment from the Scope Group.

University of California Berkeley • *Project Scientist & Data Lead, Dept. of Integrative Biology*   2/2022 – 8/2023

- Product Owner of 7 projects in world's largest conservation genetics effort, overseeing **structured dataset integration across stakeholders**: Center for Disease Control, Fish & Wildlife, USGS, San Diego Zoo.
- Coordinated the work across all 11 University of California campuses, and 3 service providers.
- Designed and optimized **data pipelines and analytical frameworks**, leading to better large-scale nature conservation practices and new biomedical resources.
- **Co-supervised 3 PhD students**, yielding 6 technical publications and 3 international conference talks.

Imageomics Institute, Ohio State University • *Bioinformatics Consultant*   3/2022 – 11/2022

- Translated biological concepts for 11 Computer Scientists writing novel ML & Computer Vision algorithms.

Centre for Postgraduate Medical Education (CMKP), Warsaw, Poland • *Consultant* 6/2020 – 6/2022
- Volunteered to model the relation of genetics and patient outcomes in **coronary disease and COVID-19**.
- **Supported clinicians** at Poland's National Hospital (MSWiA), resulting in a talk at the *European Shock Society*.

Smithsonian Institution, Panama City, Panama • *Genomics (Bioinformatics) Fellow* 5/2016 – 1/2022
- Led **digital transformation efforts**, defining, planning and executing complex workflows. Scaled structured datasets from 100GB to 10TB, thus improving research efficiency.
- Organized and managed **six research expeditions in Amazonia**, securing and administering $270K in competitive grants. Operated at 6 institutions on 3 continents, in multiple languages.
- **Advised partners in 5 Latin American countries** on the adoption of the latest genomics technologies: projects ranging from infectious disease prevention to bioprospecting for medicinal compounds.

Wellcome Sanger Institute, Cambridge, UK • *Postdoctoral Fellow @ Malaria Programme* 6/2015 – 4/2016
- **Quantitative analysis** of CRISPR data, leading to high-impact publications with real-life results.
- Worked closely with global health researchers and epidemiologists at Europe's largest biomedical charity.

SKILLS

Data analytics and visualisation
- Structured data processing with Microsoft Excel, SQL and command line scripting.
- Clear visualisation of data using R (*ggplot2*) and vector graphics (code and no-code).
- **Big data** with distributed Linux systems and **cloud computing (AWS).**
- Vertical in **biomedical and clinical data** (bioinformatics) with knowledge of ~100 programmatic tools.

Intelligence and compliance
- **AI-driven market & IP research**: qualitative and quantitative. UX in product development.
- Streamlined **review of technical papers**: grey literature scraping and database querying.
- Experience implementing **compliance standards** in regulated industries and government tenders.

Project management and Agile execution
- Certified **Professional Scrum Product Owner** (PSPO I)
- Experience with Confluence, kanban and JIRA.
- Knowledge of waterfall management with a focus on **continuous improvement of business processes**.

Stakeholder engagement and communication
- Proven ability to **communicate insights effectively** and translate business needs into technical solutions.
- Extensive experience in producing **technical documentation, funding proposals, and detailed reports.**

Teamwork
- Worked within **Scrum teams** of 2-5 professional analysts.
- Thrives on creative, multicultural work in **cross-functional, high-performing** teams.
- Completed the year-long Leadership School of the Institute of Freedom (SPIW), emphasising business.

Languages: English (fluent), Polish (native), Spanish (B2), German (A2), Russian (A1), Portuguese (A1).

Interests: development of educational NGOs (KFnrD, TSZŚ), Latin cultures, architecture, scuba, kayak-camping.