

Daniel Kiska

Senior full-stack · security · data/AI engineer

London · github.com/KSEGIT · linkedin.com/in/daniel-kiska · kse-design.pl

EXPERIENCE

Software Engineer · Firesand LTD · London, UK 2023-12 → now [\[FULL\]](#) [\[SEC\]](#) [\[DATA\]](#)

Full-stack + data engineering at a security consultancy - AWS cloud, C#/.NET, React, Glue/Spark ETL, real-time fraud-detection ML.

- Developing and managing projects across AWS cloud infrastructure, C#/.NET backends and React/Redux/Node/Vite front-ends.
- Implemented AI/ML model integration pipelines in Python for structured and unstructured data, including real-time fraud-detection algorithms and pattern recognition.
- Developed and optimized AWS Glue ETL jobs for large-scale data transformations, with custom validation logic and error handling for robust pipelines.
- Advanced data partitioning and processing with Parquet to optimize big-data workflows; data sharding and large datasets in Parquet and NoSQL.
- Designed and implemented a VPN-tunnel blackbox using WireGuard on Alpine Linux - a lightweight, portable solution for secure remote access and encrypted transmission.
- Designed scalable architectures with cross-functional teams, focused on performance, security and scalability.
- Containerized deployments with Docker for portability; testing and version control for code quality.
- Troubleshoot, debugged and optimized existing systems to cut technical debt.

IT Support / Web Developer / VR Developer · Vreality LTD · London, UK 2017-12 → 2023-12 [\[FULL\]](#) [\[HW\]](#)

Web, IT and VR delivery for pharmaceutical, retail and food clients - sites built from scratch: forcoat.com, codepharm.com, solarpharma.pl.

- Designed and developed web pages from scratch with modern front-end and full-stack technologies.
- Server setup and maintenance; resolved IT and security issues for reliable web services.
- Brand building and visual identity through software and VR development projects.

IT Specialist / Web Developer · GlaxoSmithKline · Poznan, Poland 2016-10 → 2017-12 [\[FULL\]](#)

3rd-line support and development for GSK health portals on Adobe AEM across Latin America.

- Delivered 3rd-line support for GSK health portals on Adobe AEM, focused on the Latin America region (Mexico, Brazil, Colombia, Venezuela).
- Upgraded existing portals to the latest Adobe AEM versions.
- Managed all web content to company standards; implemented new projects with the development team.
- Maintained the Remedy ticketing portal and assigned tasks for efficient support.

IT Specialist / Web Developer · Zito Sp. j. · Poznan, Poland 2015-06 → 2016-10 [\[FULL\]](#) [\[SEC\]](#)

Ran the company's Linux systems and networks - VPN and internal network config, security hardening, staff security training.

- Managed company computer and server systems (Linux); configured VPN and internal networks.
- Implemented security measures and trained employees.
- Developed a data-exchange system on a private cloud.
- Designed webpages and online assets; daily IT support.

IT Specialist / Web Developer · KSE Marketing · Poznan, Poland 2013-05 → 2015-06 [\[FULL\]](#)

Co-owned a web agency - client sites, brand identity, CRM and e-commerce systems, Google services.

- Managed projects and co-owned the company while freelancing as a web developer.
- Executed web projects covering company identification, online visibility and social media presence.
- Set up Google services; managed CRM and e-commerce systems.

Project Manager / Co-owner · Karmelkowo Candy Manufacture · Poznan, Poland 2013-05 → 2015-12 [\[FULL\]](#)

Co-owned and ran a candy manufacture - planning, budgeting, people, marketing and sales.

- Oversaw planning, budgeting and company management.
- Directed people, processes, marketing and sales.

PHP / Web Developer · Leo Burnett Warsaw · Poznan, Poland 2012-10 → 2013-05 [\[FULL\]](#)

PHP and web development at the Leo Burnett Warsaw agency.

EDUCATION

Middlesex University · London, UK 2019-2022

Computer Science · **First Class Honours**

Thesis: Applications of Virtual Reality Technology in modern Mental Health Issues Treatment (VR Exposure Therapy)

Polish-Japanese Academy of Information Technology · Warsaw, Poland 2010-2013

Project Management and Information Technology

SKILLS

[FULL] c# / .net · react / redux · typescript / javascript · node · vite · python · aws - ec2 · api gateway · cloudformation · cloudwatch · iam · microservices / rest api · docker / virtualization · ci/cd · git · azure devops · sql · mysql · oracle · mongodb · php · adobe aem / cms

[SEC] pentesting - web · infrastructure · frida - mobile analysis · memory injection · wireguard vpn · alpine linux · aws waf · linux administration · bash · networking (cisco) · secure-code engineering (certified)

[DATA] apache spark · aws glue etl · parquet · data partitioning · data modeling / transformation · fraud-detection ml · pattern recognition · ai api pipelines

[HW] unity / vr · arduino · electronics · soldering · c / c++ / java · blender · 3ds max · sketchup · solidworks · cnc · 3d printing · pneumatics (festo)

LEADERSHIP

Group Leader · MDX S.T.E.M. Society · London, UK 2019-2022

- Led a group within a STEM-focused college society; guided members pursuing STEM interests.
- Organized events, activities and projects; represented the group with other organizations.

CERTIFICATES · LANGUAGES

Common Software Vulnerabilities · Designing Secure Software · Developing Secure Code · Introduction to Secure Software Engineering · Testing for Security · Project Management (Kompetea Warsaw)

Polish - native · English - fluent · C2 · French - basic