

Yurii K.

Senior Full-Stack Data and Web Engineer

SUMMARY

- Full-stack engineer with 7+ years in PHP/WordPress and 5+ years in JavaScript/TypeScript;
- Built data platforms using Python, SQL, ETL pipelines (Airflow, PySpark), and AWS;
- Developed custom WordPress plugins, REST APIs, and data-driven features (tables, reports, analytics);
- Skilled SQL and database design (PostgreSQL/MySQL), including query optimization;
- Experience integrating AI/LLM features into data products and analytics workflows.

TECHNICAL SKILLS

Main Technical Skills	WordPress, Python, PHP, JavaScript, MySQL
AI Tools & Assistants	Claude, Gemini, Grok
Programming Languages	JavaScript, PHP, Python, TypeScript
Wordpress Ecosystem	ACF (Advanced Custom Fields), CPT (Custom Post Types), Divi, Elementor, Gutenberg, wp-cli
AI & Machine Learning	AI, Claude, Gemma, Grok, LLM, RAG, Vercel AI SDK, xAI, YOLOv8
JavaScript Frameworks	D3.js, Node.js, Nuxt, React, Svelte, Vue.js
JavaScript Libraries and Tools	ESBuild, Gulp.js, Preact, Webpack, Zod
Python Frameworks	FastAPI
Python Libraries and Tools	PySpark, Robot Framework
Data Analysis and Visualization Technologies	Apache Airflow, ELT, ETL, ETL Pipelines, Matomo
Security	IAM
Databases & Management Systems / ORM	Data Lake, MySQL, PostgreSQL, Prisma, Prisma ORM, SQL, SQL queries
UI Frameworks, Libraries, and Browsers	D3.js, HTML, SvelteKit, Tailwind CSS
Cloud Platforms, Services & Computing	AWS, GCP, MWAA (Managed Workflows for Apache Airflow), Vercel
Amazon Web Services	

	AWS Glue, AWS RDS (Amazon Relational Database Service), AWS S3, AWS VPC
Industry Domain Experience	seo
Third Party Tools / IDEs / SDK / Services	Ahrefs
SDK / API and Integrations	API, FastAPI, RESTful API
Scripting and Command Line Interfaces	Batch
Deployment, CI/CD & Administration	CI/CD
Methodologies, Paradigms and Patterns	DAG (Directed Acyclic Graph), REST
Virtualization, Containers and Orchestration	Docker, Terraform
UI/UX/Wireframing	Elementor
Codecs & Media Containers	Ffmpeg
Version Control	Git
Operating Systems	Linux, Windows
File Systems, Storage	Parquet
Logging and Monitoring	Sentry
Platforms	WordPress

WORK EXPERIENCE

Data Engineer, End-to-end batch data platform on AWS

Duration: Oct. 2025 - Present

Summary: Designed and built an end-to-end batch data platform on AWS using medallion architecture, integrating multiple source domains into an analytics-ready warehouse in RDS Postgres.

Responsibilities:

- Provisioned the full cloud stack as infrastructure-as-code with Terraform - S3 data lake, IAM roles & policies, AWS Glue jobs, MWAA (Managed Airflow), RDS Postgres, and VPC networking.
- Implemented medallion architecture (raw -> bronze -> silver -> gold): raw CSV/JSONL files landed in S3 are transformed to Parquet through bronze and silver layers, then joined and enriched into a curated gold schema in Postgres.
- Developed 6 PySpark ETL jobs on AWS Glue 4.0 (G.1X × 2 workers) covering three source domains - sales, customers, and user profiles - including cross-source enrichment (silver -> gold writing to gold.user_profiles_enriched).



- Orchestrated 4 Apache Airflow DAGs on MWAA that trigger Glue jobs via GlueJobOperator - two @daily pipelines (sales, customers) and two on-demand (user profiles, enrichment). DAG source synced from S3 every ~5 min.
- Modeled the gold layer in Postgres for downstream analytics consumption - enforced keys, types, and idempotent writes so re-runs produce stable results.

Technologies: Python, PySpark, AWS (S3, Glue, IAM, MWAA, RDS Postgres, VPC), Apache Airflow, Terraform, SQL, Parquet.

Full Stack Developer, Brand Legends (SEO-focused client products and custom analytics dashboard)

Duration: Jun. 2022 - Sep. 2025

Summary: Delivered end-to-end full-stack development for SEO-focused client products using WordPress/PHP backend and modern JavaScript frontend, including a custom SvelteKit analytics dashboard aggregating SEO data from third-party APIs.

Responsibilities:

- Built custom WordPress themes from scratch - structured, semantic HTML with on-page and technical SEO handled both in code and via plugin configuration.
- Architected multilingual/multi-region content infrastructure using WordPress multisite plus custom plugins for content management and per-region SEO settings.
- Modeled content with Advanced Custom Fields (ACF), Custom Post Types (CPT), and custom taxonomies; wrote complex SQL queries to power filters, sorting, and large-catalog listings efficiently.
- Exposed custom WordPress REST API endpoints for specialized data handling and headless integrations.
- Built block themes with custom native Gutenberg blocks in React/Preact - moving content creation off pagebuilders and onto the Gutenberg editor.
- Built a custom SEO analytics dashboard in SvelteKit aggregating third-party APIs (Ahrefs, Wincher, Matomo) - visit trends, keyword rank history, per-day/per-month breakdowns - with interactive visualizations rendered via d3-shape.
- Designed the relational data model and managed migrations with Prisma ORM on MySQL; validated forms end-to-end with Zod; integrated Sentry for error tracking and performance monitoring.
- Owned end-to-end delivery - database schema -> REST API -> frontend integration -> deployment - on a longlived product, balancing new feature work with refactors and performance improvements.

Technologies: PHP, WordPress (multisite, ACF, CPT, custom REST API, Gutenberg), React, Preact, JavaScript, TypeScript, SvelteKit, D3, Prisma, Zod, Sentry, MySQL.

Team Lead, Content Makers Team, Internet Vikings (SEO Agency) (WordPress delivery team management and client site projects)

Duration: 2016 - 2020

Summary: Led a WordPress-specialized delivery team managing multiple client sites, focusing on team management, QA, technical direction, and hands-on delivery of WordPress projects using page-builders and customizations.

Responsibilities:

- Owned team management and delivery planning - scoping, estimation, task allocation, timelines, and release coordination across a distributed team.



- Ran QA and release processes - code review, acceptance checks against client briefs, and quality gates before deployment.
- Mentored team members through pair programming, code review, and internal documentation standards.
- Delivered client sites using Elementor and Divi page-builders when speed-to-market was the priority; maintained custom plugins and theme customizations for long-lived sites.
- Standardized builds and deployments with Linux, wp-cli, and Git - reproducible environments across the team.

Technologies: WordPress, PHP, JavaScript, MySQL, Linux, wp-cli, Elementor/Divi, Git.

System Administrator, "KM" Group of Companies (Corporate network and Windows infrastructure support)

Duration: Jul. 2012 - Jul. 2015

Summary: Supported Windows-based infrastructure and administered a corporate network of over 100 devices, ensuring stable and secure IT operations within the company.

Responsibilities:

- Maintained and supported Windows infrastructure and corporate network devices.
- Ensured network stability and security for over 100 devices.

Technologies: Windows.

FEATURED PROJECTS

Solo Developer (Grok Forge - VS Code Extension (multi-agent AI assistant))

Summary: Developed a VS Code extension that integrates a Grok AI assistant with multi-agent capabilities, enabling parallel agent interactions and real-time rendering of dialogues within the editor sidebar.

Responsibilities:

- Implemented multi-agent mode handling parallel agents using xAI's beta Responses API.
- Managed per-agent streaming event identification and real-time multi-agent dialogue rendering.
- Handled secure API-key storage within the extension.

Technologies: TypeScript, VS Code API (WebviewView, SecretStorage, commands), Vercel AI SDK (@ai-sdk/xai, ai, xai.responses()), Vue 3 Composition API, esbuild.

Solo Developer (Squash AI Coach/Referee - Video-Analysis App)

Summary: Created an end-to-end video analysis application for squash matches that provides referee-style decisions on contested moments and coaching statistics using computer vision and LLM analysis.

Responsibilities:

- Developed computer vision models for player and ball detection in squash match videos.



- Implemented LLM analysis layer on structured rally data for decision making and coaching insights.
- Delivered features including strike counts, shot heatmap, and per-rally metrics.

Technologies: SvelteKit, TypeScript, Tailwind, FastAPI, YOLOv8, yt-dlp, ffmpeg, Gemini/Gemma.

EDUCATION

- **Master of Economic Cybernetics**
Poltava University of Economics and Trade
Sep. 2007 - Sep. 2012

CERTIFICATION

- **Building with the Claude API**
Anthropic
2026
- **Data Engineering**
Robot Dreams
2026
- **ReactJS**
Beetroot Academy
2020
- **Front-End**
Beetroot Academy
2018
- **Python**
Beetroot Academy
2017
- **PHP Backend**
Beetroot Academy
2016

