

BAHDAN HAL

PHP Developer | Backend Engineer

Gdańsk, Poland | +48 721 667 204 | bahdan.hal@hotmail.com
linkedin.com/in/bahdan-hal/ | github.com/bahdanhal/
bahdanhal.pl

Backend Engineer with 5+ years of experience. Expertise in migrating legacy monoliths to modern Symfony/Laravel architectures for high-traffic platforms (millions of users). Proponent of cost-effective infrastructure (Bare Metal/VPS) with a focus on Linux security and AI/ML production integration.

TECHNICAL SKILLS

Backend: PHP, Symfony, Laravel, Doctrine ORM, REST APIs, MySQL, PostgreSQL, MongoDB, Redis.

Enterprise Integrations: Microsoft Dynamics, SAP, Salesforce, bidirectional data synchronization.

Cloud & Infrastructure: Microsoft Azure, Kubernetes, Docker, Docker Swarm, Linux, RabbitMQ, CI/CD.

AI & Automation: MCP, Devin AI, BMAD agents, reusable agent skills, Claude Code, Codex, Gemini.

PROFESSIONAL EXPERIENCE

Backend Developer @ Freedom Mobile

Apr 2026 – Sep 2026

- Backend Architecture:** Developed and modernized PHP/Symfony backend services for the TVA telecommunications platform, working with distributed architecture and containerized environments on Kubernetes and Microsoft Azure.
- Enterprise Integrations:** Implemented and maintained integrations and bidirectional data flows across Microsoft Dynamics, SAP, Salesforce, internal services and third-party systems.
- Administrative MCP:** Designed and developed MCP tools for application administration, enabling secure and structured access to operational workflows.
- AI Development Workflows:** Built BMAD agents and reusable skills in Devin AI to standardize repeatable development, debugging and maintenance workflows.
- Reliability & Performance:** Diagnosed complex production issues, fixed memory leaks and improved application stability and availability.

PHP Developer @ Gdańskie Wydawnictwo Oświatowe

Aug 2022 – Apr 2026

- Scaling & Migration:** Migrated legacy modules to Symfony/Laravel for platforms serving millions of users using Docker Swarm containerization.
- Product Delivery:** Developed interactive textbook players and editorial tools; rebuilt "Kompozytor klasówek" from scratch, integrating Gemini LLM for exercise generation (text/LaTeX); implemented API for ML-trainings agent (visual page recognition); built backend for "Let's Cook Together 2".
- Agile:** Active development in a Polish-speaking Scrum team (3 BE, 2 FE, QA, PM, BA).

Independent Technical Consultant

Mar 2022 – Present

- Security:** Recovered hacked Linux servers, conducted malware audits (Maldet), and hardened OS security (Fail2Ban, SSH, Firewalls).
- Infrastructure:** Resolved SMTP hijacking incidents and optimized deliverability (SPF, DKIM, DMARC).
- Migrations:** Managed full-stack migrations of complex platforms (Shopware) between providers (Hetzner, Contabo, AWS EC2) with 0% data loss.
- Integrations:** Engineered custom API solutions for SMS gateways, maps, and CRM systems.
- RVLR tasks authoring:** Created hard PHP tasks for frontier models as part of Quesma's research.

PHP Developer @ Manao-dev

Jan 2021 – Mar 2022

- Outsourced development for telecommunication, e-commerce and automotive industry leaders.
- Implemented SMS/CRM integrations and handled high-volume data migrations.

EDUCATION

Gdańsk University of Technology (Politechnika Gdańska)

2025 – Present

Computer Science | **Part-time (Weekend program)**

Belarusian State University of Informatics and Radioelectronics

2018 – 2021

Completed 3 years (Unfinished)

LANGUAGES

Polish: C1 (Professional) | **English:** C1 (Professional) | **German:** A2 | **Belarusian:** Native | **Russian:** Native