# Bohdan Manko, PhD

## Senior Full-Stack Developer | Shopify App Specialist



Lviv, Ukraine

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LinkedIn GitHub Upwork

**14+ years**
Web development

**10+ Shopify apps**
Delivered to publication

**2 public apps**
Independent products

## PROFESSIONAL SUMMARY

Senior engineer with end-to-end product ownership and hands-on technical leadership. Experienced in scalable Shopify apps, business automation, API integrations, cloud infrastructure and applied AI. Worked on public applications serving thousands of merchants and tens of thousands of users.

## PROFESSIONAL EXPERIENCE

**Grodas LLC** Mar 2023 – Present

**Team Lead Full Stack Developer** Apr 2025 – Present

• Lead four developers across up to six projects; oversee architecture, estimation, code reviews, mentoring, technical interviews and client communication.
• Oversee delivery from architecture to publication, including platform compliance, complex App Review cases and post-production support.

**Lead Full Stack Developer** Aug 2024 – Apr 2025

Led technical implementation of Shopify applications, including backend architecture, API integrations and application modernization using Node.js, Remix and React.

**Full Stack Developer** Dec 2023 – Aug 2024

Developed Shopify apps using Node.js, React and Polaris, with occasional Laravel development; supported app releases and the Shopify review process.

**Backend PHP Developer** Mar 2023 – Dec 2023

Developed Shopify app backends using PHP and Laravel, integrated with React and Polaris merchant interfaces.

**Research Assistant | Ivan Franko National University of Lviv** Sep 2022 – Present

Part-time research: AI-assisted scientific literature analysis and data extraction; previous work on Python-based statistical automation and U-Net fluorescence microscopy analysis.

**PHP Developer | Bold Identities Ltd** Aug 2019 – Sep 2020

HR management applications, database architecture and APIs using PHP, Laravel, CodeIgniter and Python.

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Senior Full-Stack Developer

## PROFESSIONAL EXPERIENCE (CONTINUED)

**Freelance Full-Stack Developer | Upwork** Aug 2015 – Mar 2023

124 Upwork jobs; CRM systems, custom web apps and business automation, including furniture production from timber intake to warehouse shipments.

**Early web development | Freelance / agency** Dec 2012 – May 2015

PHP web applications, e-commerce, trading systems, scraping and Linux administration.

## TECHNICAL SKILLS

**Core:** TypeScript (3+ years), JavaScript & PHP (10+ years each), Python (5 years); Node.js, Express, React, React Router, Remix, Laravel, CodeIgniter, Web Components.

**Shopify:** GraphQL API, Polaris, App Bridge, theme app extensions, web pixels, checkout UI & validation.

**Architecture & DevOps:** Queues, caching, rate limits, monitoring, security, database optimization; PostgreSQL, MySQL, MariaDB, MongoDB, SQLite; Linux, Docker, GitHub Actions, AWS, GCP, DigitalOcean, Heroku.

**Applied AI:** OpenAI, Anthropic, Gemini APIs; fine-tuning, structured outputs, extraction pipelines, local models, custom MCP servers, validation and cost optimization; Claude Code, Codex.

## INDEPENDENT PRODUCTS

**Varto Apps | Founder & Sole Developer** 2025 – Present

**Varto Feedbacks** (2025; published 2026) — feedback and review app; full-stack development and DevOps.
**ZnaharAI** (2026) — scientific research and AI-powered skincare ingredient matching.

## ADDITIONAL TECHNICAL SKILLS

**Embedded & IoT:** Arduino, ESP8266, ESP32, basic C/C++, home automation.
**Radio:** Amateur radio operator (class A), long-range radio communication (HF, VHF, UHF, LoRa).

## EDUCATION & LANGUAGES

**Ivan Franko National University of Lviv**
PhD, Physiology (2024); MSc, Physiology (2018); BSc, Biology (2016).
ORCID: 0000-0001-9762-4263.
English — Fluent | Ukrainian — Native