

ANDREJ NANKOV

Senior Software Engineer | Technical Leadership | AI Research & Product Development

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PROFESSIONAL EXPERIENCE

Software Engineer

Quipu GmbH

Jan 2025 – Present Skopje, Hybrid

- Led the Global Solution Management team, coordinating delivery, technical priorities, and collaboration across fintech platform initiatives.
- Build multi-tenant mobile software for country-specific deployments on the PCB Mobile Apps project within a team of 10+ contributors (Sep 2026 – Present).
- Delivered digital onboarding for global banks with asynchronous jobs and queues, Onfido, Vonage, and internal bank API integrations (Jan 2025 – Sep 2026).
- Developed TypeScript and React components with Redux, modernized legacy jQuery code, added Jest tests, and supported reporting and load monitoring.

Senior Technical Consultant

IWConnect

Mar 2020 – Nov 2024 Skopje, Hybrid

- Delivered solutions across e-commerce, telecommunications, transport, accounting, and music using PHP, TypeScript, Laravel, React, and Node.js.
- Contributed to the 3DOTS multi-tenant commerce platform: identity, business APIs, B2B/B2C dashboards, storefronts, and document generation.
- Supported 30+ external integrations, including AI-enabled services, and cloud delivery with Docker, Kubernetes, and AWS.
- Applied DDD, layered and clean architecture, SOLID, code reviews, and documentation while mentoring junior engineers and coordinating daily work.

Software Engineer

GrabIT

Nov 2018 – Mar 2020 Skopje

- Built PHP and JavaScript solutions for e-commerce, transport, and charity projects with tailored client functionality.
- Developed interfaces with React, Vue.js, Knockout, Bootstrap, and Tailwind CSS; prepared Docker, Vagrant, UNIX, hosting, and deployment environments.
- Led code reviews and task delegation, maintained technical documentation, and worked directly with clients.

FEATURED PRODUCT

ContextScope Toolkit

2026 – Present

Creator & Sole Maintainer

Commercial Python 3.10+ CLI that detects real project manifests and commands and generates durable, reviewable AI context across modern web frameworks. Includes atomic preflight, dry-run and CI modes, monorepo scopes, validation, release packaging, and checksums.

Product overview

PROFILE

Senior software engineer with nearly a decade of experience delivering banking, fintech, e-commerce, and telecommunications systems. Combines hands-on engineering with team leadership, architecture, complex integrations, quality practices, and stakeholder communication.

MSc in Software Engineering, published AI researcher, creator of ContextScope Toolkit, and maintainer of open-source Laravel packages.

LEADERSHIP

Global Solution Management

Led the team at Quipu and coordinated delivery across cross-functional fintech initiatives, aligning implementation, technical priorities, and collaboration.

CORE EXPERTISE

- Technical Leadership
- Solution Architecture
- Fintech
- Team Mentoring
- Stakeholder Communication
- API Integrations
- Multi-tenant Systems
- DDD & Clean Architecture
- Testing & Observability
- CI/CD & Cloud

TECHNOLOGY

Languages

JavaScript, TypeScript, PHP, Python, Java

Frameworks

React, React Native, Redux, Laravel, Node.js

Platforms

PostgreSQL, MongoDB, Docker, Kubernetes, AWS, UNIX

LANGUAGES

- Macedonian
- English
- Serbo-Croatian

KEY PROJECTS

PCB Mobile AppsSep 2026 – Present

Quipu GmbH

Multi-tenant mobile development for country-specific deployments using React Native and JavaScript/TypeScript within a team of 10+ contributors.

Digital Onboarding for Global BanksJan 2025 – Sep 2026

Quipu GmbH

Implemented account-opening capabilities with asynchronous processing, Onfido, Vonage, internal bank APIs, TypeScript, React, Redux, Jest, reporting, and load monitoring.

3DOTS Commerce Platform2020 – 2024

IWConnect

Contributed to a multi-tenant SOA platform spanning identity, layered business APIs, B2B/B2C dashboards, DDD storefronts, document generation, and 30+ external integrations.

RESEARCH & PUBLICATION

A. Nankov and V. Trajkovik

AI-Powered Pipeline for Video Generation from Large Texts, Proceedings of the 22nd International Conference on Informatics and Information Technologies (CiIT 2025), 2025.

Research focused on a structured pipeline combining text summarization, keyword extraction, configuration planning, AI-assisted content generation, and post-processing for long-form text-to-video transformation.

Official proceedings

OPEN SOURCE

Laravel License Manager

Reusable licensing capabilities for Laravel applications.

Laravel Database Newsletter

Newsletter workflows backed by application data.

Software Documentation Template

A practical architecture and delivery baseline for software teams.

github.com/nankovmk

EDUCATION

MSc in Software Engineering

UKIM – Faculty of Computer Science and Engineering

2023 – 2025Skopje

AI-Powered Pipeline for Video Generation from Large Texts

BSc in Applied E-Technologies

UKIM – Faculty of Computer Science and Engineering

2013 – 2018Skopje

Teaching Staff Management System

CERTIFICATIONS

- FintechOS Platform Certification, 2025
- API Academy – API Designer, 100/100
- API Academy – API Security Architect, 96/100
- Software Architecture and Clean Code Design in OOP

FOCUS AREAS

- Architecture
- Integrations
- Delivery
- Developer Tooling
- AI-assisted Systems
- Product Engineering

STRENGTHS

- Technical direction and team mentoring
- Requirements and solution analysis
- Stakeholder and client communication
- Code reviews and delivery validation
- Technical documentation and knowledge sharing