

# Volodymyr Bezkorovainyi

Berlin, Germany

German & Ukrainian Citizenship · Eligible to work in the EU without sponsorship

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Languages: English (fluent), German (intermediate, B1 certificate), Russian (native)

## Professional Summary

Hands-on Solution and Software Architect with over 20 years of experience delivering complex systems across cloud, embedded, and web platforms. **Extensive background in digital maps and navigation**, having contributed to platforms used by Microsoft, major automotive OEMs, and Deutsche Bahn through roles at Nokia, HERE Technologies, and Deutsche Bahn.

Skilled in building and scaling cross-functional teams from the ground up — from hiring and tech stack selection to goal setting and delivery. Focused on business impact through pragmatic, scalable architecture.

## Technical Skills

### Architecture

Domain-Driven Design · Event-Driven Systems · REST APIs · C4 Model · Capella · Architecture as Code

### Programming Languages

C++ · C# · Java · Scala · JavaScript/TypeScript · Python · Bash

### Databases

PostgreSQL · MongoDB · Oracle

### Cloud & DevOps

AWS · Docker · Kubernetes · Argo CD · Argo Workflow · CI/CD (Azure DevOps, GitHub, GitLab, Jenkins) · Infrastructure as Code

### Embedded Systems

C++ · CMake · QNX · Embedded Linux · Boost · Integration of navigation and map services

### Mobile Development

Java · C# · .NET · Android · Windows Phone · Navigation and mapping applications

### Web & Backend

Java · Scala · Node.js · AngularJS · Maven · SBT · JavaScript/TypeScript

## Professional Experience

### Solution Architect, Deutsche Bahn (Digital Schiene Deutschland) · Berlin, Germany

DBS develops cutting-edge technology systems for autonomous train operations, including computer vision, object detection, advanced positioning algorithms, and **in-house developed high-precision 3D mapping with dedicated processing pipelines, enriched with both infrastructural and dynamic data**.

Jan 2020 – Present

- Spearheaded the architecture and delivery of the Digital Maps platform used across multiple Deutsche Bahn programs ([Sensors4Rail](#), [Automated Train](#), [Digital Knoten Stuttgart](#)), collaborating with business stakeholders including **Bosch and Siemens**, alongside internal development teams. [Sensors4Rail](#) results were **successfully presented** at the [ITS Hamburg Congress 2021](#).
- Led **open-source activities** for the Digital Maps component within [Sensors4Rail](#), which was released as open source [Onboard Map API GitHub](#)
- Established and scaled a distributed engineering team for the Digital Maps initiative. Started as the sole Solution Architect, recruited a remote development team and key internal engineers, and grew the organization to 10+ specialists responsible for end-to-end delivery of the Digital Maps solution for Deutsche Bahn.

- Designed scalable **backend systems, cloud infrastructure (AWS/Kubernetes)**, and **embedded map components** for integration into real-time railway systems.

## Software Architect, Luxoft (project with HERE Technologies) · Berlin, Germany

HERE Technologies is one of the world's leading automotive navigation providers, powering around 59% of all in-vehicle navigation systems in Europe. If you drive a recent Audi, Volkswagen, or Mercedes-Benz, there's a strong chance the map features you see were part of the solutions I contributed to.

Oct 2018 – Dec 2019

- Designed system architecture for integration of the **HERE navigation platform** into automotive embedded and cloud environments.
- Worked closely with customer and development teams to align navigation system architecture across cloud and embedded domains.
- Led architectural onboarding and training for new team members, and established a structured **knowledge transfer process** between Luxoft and the client.

## Head of Engineering, Phonedeck (Tech Startup) · Berlin, Germany

Apr 2015 – Aug 2016

- Led the engineering department of a Berlin-based startup developing solutions at the intersection of mobile communications, telephony services, and CRM integration.
- Oversaw **R&D and the full software development lifecycle**, from product definition to deployment.
- Directed development and successful delivery of **telephony services in partnership with Ericsson**, showcased at **Mobile World Congress 2016**.

## Team Lead / Senior Software Engineer, Nokia / HERE Technologies · Berlin, Germany

Nokia / HERE Technologies focused on building high-quality digital maps and location-based services for mobile platforms, delivering navigation, routing, and geospatial data used across major smartphone ecosystems globally.

Jul 2011 – Feb 2015

- Acted as a **technical expert in the Nokia API team during the Nokia–Microsoft integration effort**, enabling the adoption of Nokia Maps across Microsoft's mobile platforms. The map services on Windows Phone 7/8 were powered by the APIs designed and implemented by our team.
- Led and contributed to development of key navigation products including **HERE Maps for Android**, **HERE Drive+ for Windows Phone**, and **Nokia Maps API**.
- Managed a team of 5 engineers; hired and onboarded talent; introduced **Kanban** and **TDD** practices to improve development efficiency and code quality.
- Collaborated closely with platform, UX, QA, and CI teams to ensure seamless delivery, high performance, and great user experience across devices.

## Earlier experience as Team Lead and Senior Software Engineer, Quest Software · Kyiv Region, Ukraine

**Companies: Quest Software, InvisibleCRM, Visiprise, Software MacKiev**

Aug 2001 – Jul 2011

- Led development of infrastructure automation tools including **Quest Cloud Automation Platform**, **vOptimizer**, and **vConverter**, targeting large-scale hybrid IT environments.
- Developed backend connectors and synchronization logic for integrating Oracle and Deltek CRM systems with Microsoft Outlook.
- Developed components for manufacturing process planning (MRP) system, including database queries, custom tools, and UI logic.
- Developed **desktop applications** and **Hewlett-Packard printer drivers** for Windows and macOS platforms.