

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

Solution and Software Architect with over 20 years of experience delivering large-scale 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.