

Nikolai Kanaev — Consultant Profile



Figure 1: Photo of Nikolai Kanaev

- **Phone:** +46 (0)700 67 11 38
- **Email:** niko@n1k0.se
- **LinkedIn:** <https://www.linkedin.com/in/nikolai-kanaev-a681b962/>

Introduction

Nikolai is a senior .NET architect and developer with a focus on leadership, agile process development, and building and growing teams. He combines his agile expertise, full-stack development experience, and leadership training to create mature, self-organizing teams.

He is used to working in close dialogue with clients around requirements and solutions, and places a high value on understanding the client's business domain. He is a certified Scrum Master and SAFe practitioner with a genuine passion for agile ways of working. To Nikolai, building a team with strong collaboration is just as important as delivering good solutions.

He is driven and engaged, and brings to his teams a healthy, ego-free eagerness to keep learning new technology.

Skills & Experience

Areas of expertise

Architecture leadership (leading teams of solution architects) · Solution architecture · System architecture · System design · Business process modelling (BPMN 2.0) ·

Information & data modelling · Domain-Driven Design · Integration & event-driven architecture · Architecture Decision Records (ADRs) · C4 architecture modelling · Monolith decomposition & microservices migration · System integration · Database design · Requirements engineering & stakeholder facilitation · Continuous Integration & Delivery · Backend development · Frontend & web development · Service layers · Software development

Industry experience

Retail & Fashion · Railway technology · Collaboration & Unified Presence · iGaming

Languages & frameworks

.NET · ASP.NET · .NET Core · WCF.NET · MVC · WCF · Node.js · xUnit · Ruby · XML/XSD · SpecFlow (BDD)

Web & mobile development

Responsive Design · SPA · HTML5/CSS3 · JavaScript · TypeScript · jQuery · AngularJS · Angular · Bootstrap/Material · Xamarin · Java for Android · SQLite3

Methodology

Scrum · Kanban · TDD · SAFe

Frameworks & notations

BPMN 2.0 · DMN · C4 Model · MADR (Architecture Decision Records) · Domain-Driven Design · SPARC

Architecture & modelling tools

Signavio · Miro · Visio · Mermaid · Azure API Management · Solace · Azure SQL · Power BI · Centric PLM · Confluence

DevOps

Git · SVN · RavenDB · Docker · Kubernetes · Splunk · CouchbaseDB · Grafana · Azure · Windows Server · Linux · Octopus Deploy · TeamCity · PowerShell · Rake · Windows Containers

Languages (spoken)

Swedish · English · Russian · French

Education

- Master's programme in Computer and Systems Sciences, Stockholm University
- Bachelor's degree in Computer and Systems Sciences, Stockholm University

Courses

UGL — Utveckling av Grupp och Ledare (Development of Group and Leader)

UGL is a leadership course for developing as both a leader and a team member. It helps you understand how groups function and, in turn, become a better leader.

Certifications

- Professional Scrum Master — Scrum.org
- SAFe certified
- Microsoft Web Developer — Developing applications with ASP.NET MVC4
- Canto Cumulus Digital Asset Management

Employment

- **N1K0 AB** — Senior Architect / Team Lead · June 2025 – present (*verify start date*)
- **Squeed Stockholm AB** — Consultant, Software Developer & Architect · 2015 – 2025 (*verify end date*)
- **Ciber Sweden AB** — Consultant, Software Developer · 2013 – 2015
- **Cisco Systems, Galway, Ireland** — Research Internship · 2012

Reference projects

⚠ **TODO — recent experience (2023–2026).** We'll add the projects from this period together. Leaving a placeholder here so the section stays in reverse-chronological order. (Purchase Flow not added yet.)

[NEW PROJECT(S) — 2023–2026] ⚠ to write together

Known so far (full write-ups deferred):

- **H&M — Purchase Flow** · Role: **Stream Lead Architect** — led a group of Solution Architects on the architecture of H&M's purchase flow (business processes, information models, integration architecture, ADRs) and collaborated with Enterprise Architects. *Narrative to be written together.*
- *Any other roles/clients in this span (incl. final Squeed-era work before June 2025) to add.*

H&M — Architect · 2022–2023

In spring 2022, Nikolai became the architect for a team at H&M working in assortment planning.

He led a team of 7 developers building Canvas, a React frontend application where users work with the assortment visually and creatively. Its key capability is that many users can collaborate at once and see each other's work in real time.

Beyond the technical responsibility, Nikolai focused heavily on helping the team improve — smoother planning processes, better communication, and a greater degree

of psychological safety. He worked very closely with the PO and business experts to close the gap between development and the business.

Betsson — Team Captain & Software Developer · 2020–2022

Around the turn of 2020–21, Nikolai worked with the management group for Betsson's Gaming area to reorganize the teams and the processes for requirements and development. He contributed his agile knowledge and his experience as a developer/architect to make the newly formed teams effective and their processes agile and smooth.

After the reorganization, Nikolai continued as Team Captain for one of the teams, focusing on coaching it in both development and agile process. His aim was for the team to become self-sufficient — able to grow on its own, improve its own processes, and mature in how it collaborated. The role involved staying in constant contact with the rest of the management group to keep all teams developing well. Within the team, he coached and led agile rituals such as retrospectives, sprint planning, and refinement.

Betsson — Software Developer · 2019–2020

Nikolai was part of a newly formed team that took over the knowledge and development of Betsson's core platform — responsible for all integrations with game providers and every transaction made across all brands.

Development centered on writing robust code in a substantial codebase handling monetary transactions. Downtime would mean no bets or winnings could go through, so there was a strong focus on test coverage, monitoring, and proactively identifying and preventing system failures.

He was also part of a small group of developers responsible for support and on-call duty, which demanded deep system knowledge and the ability to quickly identify and resolve critical production issues.

Tech: .NET, .NET Core, AngularJS, SignalR, Kafka, NServiceBus, RavenDB, CouchbaseDB, TeamCity, OctopusDeploy, Docker, Kubernetes, Splunk, Grafana, Consul, MSSQL

H&M — System Architect · 2018–2019

Nikolai took on the architect role in a team that developed a WPF application for H&M designers working on assortments and upcoming products. The application is heavily focused on working visually — freely drawing, designing, and managing images — and is integrated with several other planning systems to synchronize data and images.

During the first three months, Nikolai was responsible for handing over the entire technical solution to a new offshore team and training them in the technologies used and the agile development process. He took part in the offshore transition, helped

establish the team's way of working, and kept development agile. He was responsible for coaching teams both in Sweden and internationally.

He then continued as the team's architect, responsible for the application's ongoing development, collaboration with stakeholders, and integrations with surrounding systems.

Tech: .NET, C#, WPF, WCF, SignalR, Git, TeamCity, OctopusDeploy, MS Azure, MSMQ
Specialist knowledge: Canto Cumulus Digital Asset Management

H&M — Solution Architect • 2018–2019

Nikolai proposed an innovative idea for rebuilding an H&M system to streamline the workflow for its users and to eliminate flaws in the previous system that often caused business-critical data to be lost or unavailable.

The system is a Digital Asset Management (DAM) solution centered on images drawn by designers, to be integrated and available across several planning systems. The solution consisted of a user-friendly web client built in Angular, two .NET Core backend services, and a third-party product for handling images, video, documents, and 3D formats.

As solution architect, Nikolai drove the project from idea to delivery, owning the entire technical requirements specification, the system design, and the deployment design for all components in MS Azure.

Tech: .NET Core, C#, JavaScript, Angular, MS Azure DevOps, MS Azure
Specialist knowledge: Canto Cumulus Digital Asset Management

H&M — Developer • 2018

In early 2018, H&M needed a new web application for planning product purchasing for upcoming seasons. Nikolai took the lead on developing it and set its architecture and technology stack.

The result was a modern Angular 5 application that presents large volumes of data with a strong focus on performance. The project was developed in close collaboration with end users and with an agile flow centered on capturing user behavior and needs and delivering the right functionality.

Tech: Angular 5, HTML5, CSS3, TypeScript, JavaScript, .NET MVC

H&M — Developer (backend platform) • 2016–2018

At H&M, Nikolai took part in a project to transform and modernize a back-end platform. The application is a substantial backend system responsible for receiving large volumes of data from various sources, processing it, and delivering it through a range of APIs. The codebase was to be rewritten from a monolithic application into a microservices-architecture platform.

Nikolai was involved from start to delivery. In the early phase, he helped decide how best to implement a microservices architecture to build a stable, high-performance system. The project was completed and delivered a year after it began, and he went on to help maintain and further develop the system. Through close collaboration with other development projects at H&M, he extended the platform to deliver the right data to the applications that needed it.

Beyond building the system, Nikolai also took end-to-end ownership of implementing a continuous-delivery solution for the platform. Using a branching strategy, a TeamCity build server, and OctopusDeploy, he set up a release pipeline that lets the system be released to a range of environments in separate parts. This simplified the development process and made deployments to all test environments and production more stable and straightforward.

Tech: .NET, NServiceBus, MSMQ, ASP.NET MVC, NUnit, TeamCity, OctopusDeploy, PowerShell, SSIS, SQL Server, Windows Server 2016

H&M — Scrum Master · 2016–2017

For just over six months, Nikolai filled his team's need for an agile coach. As a certified Scrum Master, he coached the team across a range of activities such as planning, estimation, and agile ways of working. He helped the team assemble an agile process that best fit its needs.

The result was a hybrid Kanban/Scrum process focused on a steady development flow, minimal bottlenecks, and close collaboration with business and test.

Tech: Scrum, Kanban, Agile

H&M — Frontend Developer · 2016

Early in his time at H&M, Nikolai contributed to a web application built under tight deadline pressure. The project is an AngularJS application that helps H&M plan its products, purchasing, and sales for upcoming seasons.

He quickly got up to speed with the codebase and delivered code still in use today early on. The team worked in an agile way, and he collaborated closely with the product owner, testers, and other developers to quickly understand the business requirements.

Tech: AngularJS, HTML5, CSS, JavaScript, TypeScript

CalcNet — Developer (frontend facelift & responsive development) · 2015

CalcNet is a web application used by companies and individuals to calculate costs for construction and renovation projects. Users fill in forms, and the site generates PDF reports that are emailed to them. It also includes an extensive price book with cost information for construction and property.

Nikolai carried out an extensive facelift of CalcNet to modernize its look and structure. The most important aspect was making the application fully responsive — all features, including the forms, reports, and price book, had to be usable on phones, tablets, and desktop screens alike. The facelift also gave the site a fresh, modern appearance.

Tech: HTML5, CSS, JavaScript, jQuery, Bootstrap, AngularJS, ASP.NET MVC, Azure

Interfleet Technology — Developer (system maintenance) · 2014–2015

Nikolai took over responsibility for maintaining Interfleet's entire damage- and warranty-management system. The system is used by Interfleet's customers to register all damage and remarks on their vehicles and to handle maintenance and warranty cases. It is a complex system comprising several web projects, several service projects, and a message-queue architecture for communication. It also depends on real-time communication with FORD, a mainframe holding up-to-date information on nearly every rail-bound vehicle in Sweden.

Beyond quickly learning how the whole system works and fits together and working on its development and maintenance, Nikolai actively worked to maintain a good relationship with the customer, build trust, and help them improve their systems.

Tech: IBM WebSphere MQ, RabbitMQ, RavenDB, Windows Services, MVC2, Windsor IoC, EventStore, WCF, SQL, NHibernate, Log4Net, EPPlus **Environments:** IIS, SQL Server 2008 & 2012, Microsoft Server, TeamCity

Interfleet Technology — Developer (application development) · 2013–2014

Interfleet Technology is an international railway-engineering consultancy. Its clients include vehicle manufacturers, maintenance providers, operators, and vehicle owners in the private sector, as well as public-sector authorities and banks, investment, and insurance companies.

One of Interfleet's most important services is inspecting various rail-bound vehicles, from commuter train cars to heavy rail work vehicles. The inspection process had no digital support beyond an Excel document and a digital camera for photographing damage. This created a risk of losing information and meant that the follow-up work for each inspection took a long time due to manual handling of images and report creation.

Nikolai joined early in the development phase and helped the customer define requirements for a digital system to carry out vehicle inspections smoothly. Together with one other developer, he worked agile and close to the customer to build a system based on modern technology that solved the customer's problem as fully as possible.

The result was an efficient system in which inspectors use Windows 8 tablets on site to inspect vehicles. The application supports both offline and online modes, and all data is synchronized to the server through a service layer. Nikolai also developed an

MVC4 web app for administering projects and building complete structures for the trains to be inspected.

Tech: .NET 4.5, MVC4, WCF, JavaScript, jQuery, CSS, XAML, WPF, SQL, Excel, SSL **Environments:** Windows 8, Visual Studio 2012, SQL Server 2012, IIS, SoapUI, MS Server, Blend, Xamarin

Interfleet Technology — Architect & Developer (CI/CD solution) · 2013–2014

Interfleet used a TeamCity build server and Rake for custom build scripts. Nikolai took over maintenance of this Continuous Integration foundation and developed it into a stable build process with automated deployment to all environments (test, acceptance test, and production), with zero downtime and rollback capability.

He has studied Continuous Integration & Delivery in practice and continually works on improving the delivery process. His work on automation has given him a strong focus on testing during development.

Tech: Ruby/Rake, YAML, NUnit, Git, Albacore, Logirel, NuGet/NuSpec **Environments:** TeamCity, IIS, GitHub

Cisco Systems — Researcher · 2012

Cisco Systems is a global American company offering products and services in networking and computer communications.

During the summer of 2012, Nikolai worked at Cisco Systems' development office in Ireland alongside researchers from Waterford Institute of Technology on the FAME research project (www.fame.ie). He researched XMPP intra-domain federation, analyzing how the Cisco Unified Presence product could run in multiple instances on the same domain despite limitations in the XMPP protocol. Over three months, he identified the protocol's limitations, proposed improvements, and built a prototype to illustrate how XMPP intra-domain federation could work.

Tech: XMPP, JavaScript **Environments:** Linux, Cisco Unified Presence, Jabber, Lync

Android Developer · 2009–2011

Alongside his studies at Stockholm University, Nikolai developed Android applications. The first, released on Google Play, was a personal-finance app for recording expenses and income and presenting them on the phone or by email. The second was an interactive guide to a computer game.

Tech: Java, SQLite **Environments:** Eclipse, Android

Community contributions

i Note — Squeed mentions. Two entries below (“SqueedBrew”) are talks at your former employer’s internal conference. They’re real accomplishments, so I kept them, but tell me if you’d rather rename (“internal company conference”), drop them, or leave as-is.

SweTugg 2016 — Speaker

SweTugg is an annual conference for .NET developers held in Stockholm. Nikolai presented on the main stage on “Docker & Windows Containers” to an audience of over a hundred.

SqueedBrew 2016 — Speaker

SqueedBrew is an internal conference held by the consultancy Squeed. Nikolai ran a full-day training session for 30 developers on “Docker, Containers & Windows Containers”.

Lunch ‘n Learn @ H&M 2016 — Speaker

H&M launched an internal “Lunch ‘n Learn” initiative where employees and external developers could give a technical presentation over lunch. Nikolai gave the inaugural talk, on “Docker & Windows Containers”.

SweNug Stockholm 2017 — Speaker

SweNug is Sweden’s largest .NET community group. Nikolai organized a SweNug event at a conference venue in Stockholm, where he also presented on “Docker & Windows Containers”.

nForum Gothenburg 2017 — Speaker

nForum is a .NET community group based in Gothenburg, including a quarterly conference. Nikolai delivered a technical presentation on “Docker & Windows Containers”.

SAST 2019 Q2 — Speaker

SAST (Swedish Association for Software Testing) is a Swedish community group for QA and system testing that organizes meetups and conferences. At the second quarterly conference of 2019, Nikolai gave a presentation on “Feature Toggling”.

SqueedBrew 2019 — Speaker

Nikolai gave a presentation on .NET Core 3.0 and C# 8.0, focusing on the new possibilities in the updated platform and how to improve your code with the new version of C#.