DENIS SOKOLOV

SENIOR SOFTWARE ENGINEER, TEAM LEAD

Amsterdam, Netherlands | dnssokolov@gmail.com | +31634319167 | LinkedIn

PROFESSIONAL SUMMARY

Senior engineer and squad lead with 15+ years of experience. I engineer the systems behind a conversational shopping assistant — the architecture, APIs, and data layer that let an LLM help users find and buy the right products. I lead a squad of senior engineers and drive our adoption of coding agents for clean, high-quality delivery. Backend-focused but full-stack, with a track record of building and shipping complete products.

AREAS OF EXPERTISE

- AI Agents
- Agent Tooling
- LLM Applications
- Software Architecture
- Technical Leadership
- Systems Design
- Full-Stack Development

PROFESSIONAL EXPERIENCE

Senior Software Engineer, Team Lead, Swap **Feb 2025 to Present**

Amsterdam, NL

Backend TypeScript engineer on the Agentic Storefront — a conversational shopping assistant where an LLM helps users search, get recommendations, and buy clothing. I own the software engineering behind the assistant: the system architecture around the agent — API design, data modelling and storage, and the code patterns and infrastructure for the agent loop, tools, memory, and chat/action history. I also drive our internal adoption of coding agents, building the tooling and practices that let the team ship production code with clean architecture and verified quality.

Squad lead for the Agents squad, leading four senior engineers — technical guidance, 1-1s, performance measurement, load distribution, and direct stakeholder communication. Delivery of new features accelerated ~3x under my lead, driven by improved agent tooling and workflows. Also run workshops and build tooling for the wider Agentic Storefront team, and conducted ~40 interviews supporting its growth from 8 to 30 engineers.

Previously led the Checkout squad — designed and built a payment-system integration (Adyen) from scratch, processing up to $200K in sales per day at peak. Promoted to team lead following that work, then oversaw the full checkout flow: cart, order management, and integration with e-commerce providers such as Shopify.

Tech stack: TypeScript, Node.js, NestJS, PostgreSQL, TypeORM, Google Cloud, Firebase, React.

Technical Co-Founder, audiotour.io **May 2023 to Present**

Amsterdam, NL

Built and shipped the entire product — an AI-generated audio-guide app for travelers. Users tap a point on an interactive map and hear a real-time generated audio guide: an LLM crafts a script from trusted sources, and text-to-speech produces the audio stream on demand. Available as iOS and Android apps plus a web version, localized into 21 languages.

Sole engineer across the full stack: backend, mobile apps, and web client. Partnered with co-founder Dmitry Frolov (UI/UX and product); owned all technical direction and implementation.

Reached ~2,000 users and ~100 one-time purchases. Completed Y Combinator Startup School; selected for the Alpha Startup program and exhibited at Web Summit in Lisbon.

Tech stack: Node.js, Express, AWS, Amplify, DynamoDB, Mapbox, React Native, Next.js (SSR).

Software Engineer, JetBrains **Aug 2017 to Jun 2024**

Amsterdam, NL

Frontend developer on TeamCity, JetBrains' CI/CD server used by 30,000+ customers and millions of users. Built frontend architecture, set up development and CI/CD workflows, reviewed code, mentored interns, and interviewed 30+ candidates (hired 4 senior engineers and 3 students).

Selected achievements:

- Rewrote the build-log viewer: the old system couldn't render logs above 10MB and pegged the CPU at 100% for a minute on first render. The new one handles logs up to 1GB in under 3 seconds, with custom search, log-level filtering, collapsible log-tree nodes, soft/no-wrap modes, and ANSI color support.

- Built a React-based UI-extensions system for TeamCity, letting external developers write plugins against a typed API and integrate them into the existing SPA (@jetbrains/teamcity-api).

- Set up the full frontend architecture and workflows for the new TeamCity Cloud sub-product (resource management, user management, notifications, and cloud-specific configuration).
Tech stack: TypeScript, React, Redux, Jest, Storybook, Webpack, Kotlin, Spring Boot.

Senior Frontend Developer, Appulate Inc. **Mar 2017 to Aug 2017**
St. Petersburg, RU
Writing frontend code for a large product for insurance companies. Developing new features and fixing bugs in legacy code.
Mentoring junior and middle developers, improving development processes.

Project Manager, Startups Snacky & Corkly **Jul 2016 to Feb 2017**
Penza, RU
Managing a technical team for the development of a mobile application in a start-up company.
The team consisted of 4 people, developers and UI/UX designer.
Adapted agile methodology with two-weeks sprints. Set up and implemented kanban boards.
Conducted 1-1 meetings and performance reviews.
Hired a UI/UX designer.

Frontend Developer, Startups Snacky & Corkly **Aug 2015 to Jul 2016**
Penza, RU
Created a complex SPA with react.js and redux.js on the client side and server side rendering on node.js.
Wrote many unit, integration and functional tests with over 95% coverage.
Established the entire developing process using modern methodologies and technologies.

Frontend Developer, FunCorp **Feb 2014 to Jul 2015**
Penza, RU
Created a new website for the entertainment service https://ifunny.co with more than 200,000 daily active users.
Technology stack: es6 and backbone.js, sass/css (with BEM methodology) on the client side and node.js for a proxy caching and server side rendering for the backend.
The new website with SEO optimisation doubled the number of users.

Software Developer, moedelo.org **Jul 2012 to Jan 2014**
Penza, RU
Full-stack developer in SAAS for accounting. Technology stack: C# ASP.NET, MS SQL, javascript, backbone.js, jQuery, css.
Key achievement: created a subsystem for webinars with a streaming player and realtime chats with over 10,000 live participants.

Web Developer, Onlinebees **Apr 2011 to Jul 2012**
Penza, RU
Full-stack developer at a local web studio. Technology stack: php, MySQL, javascript, jQuery, css

Freelance Web Developer, Self-Employed **Nov 2010 to Apr 2011**
Penza, RU
Website development for e-commerce. Technology stack: php, MySQL, javascript, jQuery, css.

EDUCATION

Penza State Technical University **Jan 2008 to Jan 2013**
Master, Engineering

TECHNICAL PROFICIENCIES

Skills:	Software Architecture, Technical Leadership, Systems Design, Full-Stack Development
Programming languages:	TypeScript, Node.js, C#, Kotlin, Python