Nikita Lobanov

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EDUCATION

British Columbia Institute of Technology   **Vancouver, BC**
Full Stack Web Development Specialization   *Expected May 2026*

EXPERIENCE

Seaspan Corp, *Software Engineer Intern*   *May 2024 – Aug 2024*
- Automated ingestion of 1,400+ ERP/Excel finance files by building Spring Boot REST APIs with validation layers and Oracle ERP integration. Saved 163+ hours/month by replacing manual entry with a reliable, auditable pipeline.
- Built React dashboards with time filters, role-based access, and time-series charts to monitor vessel speed, fuel consumption, and engine load. Reduced issue detection time from multiple days to minutes, enabling faster operational response.
- Improved reliability by profiling SQL queries, tuning HikariCP connection pools, and adding proactive health checks across Oracle and Spring Boot services. Reduced downtime incidents by ~35%, giving teams more consistent ERP data access.
- Eliminated reconciliation errors by creating Java validation services and SQL stored procedures to flag data inconsistencies before ERP ingestion. Achieved a 91% drop in data issues, preventing costly reconciliation failures and delays.

Affistash, *Full Stack Engineer*   *March 2023 – April 2024*
- Built a Next.js analytics dashboard with faceted search, saved views, and server-side filtering to evaluate 1,000+ affiliate prospects. Cut average research time from 45 minutes to <5 minutes, allowing faster decision-making for brand users.
- Served 500+ daily AI queries by integrating Firebase Firestore with OpenAI endpoints and adding batching, caching, and error handling. Reduced latency by ~22% while lowering inference costs and improving system reliability.
- Enabled real-time analysis of 100k+ audience datapoints with D3/Recharts visualizations including drilldowns, tooltips, and exportable reports. Improved client adoption of insights by ~40% by making audience data more interactive and actionable.
- Increased engagement by developing real-time match notifications using Firebase Cloud Functions, adding deduping, throttling, and user-level preferences. Boosted retention by 17% by ensuring alerts were timely, relevant, and reliable.

DDS Wireless, *Information Technology Intern*   *Jun 2018 – Aug 2020*
- Provisioned 60+ office and lab PCs by reinstalling Windows, applying chipset and device drivers, and validating health via Event Viewer and SMART diagnostics, producing standardized images and checklists reducing setup variance across teams
- Resolved 85% of tickets independently by diagnosing BSODs, boot loops, & connectivity issues, replacing faulty RAM or drives & rebuilding corrupted installs, with documented fixes that reduced repeat incidents & improved time to resolution

PROJECTS

WriteShare, *Go,gRPC, Yjs, Typescript, Go, WebSockets, Redis, PostgreSQL, Docker, AWS*   *Aug 2025*
- Built a collaborative markdown editor that allowed more than 25 users to edit the same document in real time, keeping every client synchronized, resolving conflicts automatically, and delivering a smooth shared editing experience.
- Implemented Yjs CRDTs over WebSockets in Go microservices deployed on AWS Lamba, adding Redis caching, batched hydration, and asynchronous Postgres sync to process over 10k edits per hour with reliability, observability, and consistency.

Dayflow, *React, React Router, Tauri, PostgreSQL, GitHub Actions, Node.js, Stripe, Google Gemini AI*   *Jul 2025*
- Shipped a cross-platform task manager for desktop and web that attracted 300+ daily active users, featuring natural language task entry, recurring reminders, subscription billing, and an easy-to-use interface built with React and Tauri.
- Integrated Google Gemini AI to convert more than 800 free-text tasks per day into structured deadlines and priorities, implementing validation layers, fallback handling, and rate limiting to improve accuracy, reliability, and cost control.

Circles, *Next.js, Prisma, PostgreSQL, Redis, Vercel, Tailwind CSS, Node.js, TypeScript*   *May 2025*
- Built a private social networking platform with photo sharing, activity feeds, direct messaging, music, and maps, developed in one-week sprints while leading a team of three developers using Git feature branches and code reviews.
- Delivered a responsive and visually consistent React interface by translating Figma designs into reusable components and creating a tokenized design system to standardize spacing, typography, and color across desktop, tablet, and mobile.

SKILLS

Languages: Go, TypeScript, Python, C++, Java, SQL, Lua, Bash
Backend: Node.js (Express.js, NestJS), Spring Boot, gRPC, GraphQL, REST, WebSockets
Frontend: React, Next.js, Tailwind CSS, HTMX, HTML5, CSS3, D3js, Recharts
Databases & ORMs: PostgreSQL, MySQL, Redis, DynamoDB, MongoDB, Prisma, Drizzle
Cloud & DevOps: Amazon Web Services (ECS, RDS, S3, Lambda, VPC, CDK), Docker, Terraform, GitHub Actions, Linux, Nginx, Vault
Testing & Tools: Vitest, Playwright, Jest, GoTest, Stripe, Electron, Tauri, Supabase, Firebase, Linux, Vim, Tmux