

Sagardeep Singh Hunjan

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SENIOR FULL-STACK DEVELOPER | C# / .NET | TYPESCRIPT | REACT | SQL

Senior full-stack developer with 8+ years of experience building and maintaining production applications with C# / .NET Core, TypeScript, React, SQL Server, and PostgreSQL. Good at stepping into existing systems, finding root causes, fixing stability and performance issues, and shipping practical modernization work. Comfortable across the stack, from GraphQL and REST APIs to Redis caching, CI/CD, and cloud deployments on AWS and Azure. Based in Surrey, BC.

PROFESSIONAL EXPERIENCE

Software Developer II | **Dayforce Canada Ltd**, Toronto, ON, Canada

Apr 2022 - Feb 2026

- Designed, developed, and maintained production features across a high-traffic SaaS platform using TypeScript, React, Kendo UI, Redux, GraphQL, .NET Core, C#, SQL Server, and Redis, serving enterprise customers daily.
- Investigated and optimized a complex LINQ query in a .NET Core backend using Application Insights, server logs, and SQL execution plans, improving endpoint performance by approximately 75% and resolving production timeout issues.
- Designed and implemented a Redis-based caching layer for SQL Server configuration data, reducing repeated database calls and improving API performance by up to 25%.
- Built automated test coverage using Cypress, Jest, and SpecFlow, reducing regressions across critical user workflows and supporting safer releases.
- Managed CI/CD pipelines and release workflows using Azure DevOps (Pipelines, source control, release management), automating builds and deployments to reduce manual intervention and improve consistency across microservices.
- Delivered a salary protection system spanning backend, frontend, and automated tests to support compensation retention during role changes, contributing to multi-million-dollar client contract wins.
- Built GraphQL-powered React components that pulled data across multiple microservices, and worked with Kafka messaging between the monolith and the Position Management microservice to sync data and run async updates.
- Developed an MVP leveraging Apollo Client's schema federation to integrate with the Classification service GraphQL API, enabling seamless cross-service communication and validating the approach for broader adoption.
- Leveraged AI coding tools including GitHub Copilot and OpenAI Codex to investigate bugs, understand existing codebases, plan and implement new features, and author automated test scenarios - accelerating feature delivery and improving overall application quality.

Digital Operations Developer | **Nettwerk Music Group**, Vancouver, BC, Canada

May 2021 - Apr 2022

- Built and maintained internal digital operations tools supporting business workflows, reporting, content operations, and day-to-day user productivity.
- Led migration of all existing projects into Git-based version control, enabling efficient collaboration, change tracking, release safety, and long-term maintainability.
- Refactored and compressed a 20GB legacy codebase to 200MB, enabling GitHub compatibility and significantly improving branch management and developer workflow efficiency.
- Improved production stability by introducing stronger Git workflows, reducing crashes in legacy PHP applications to near zero and accelerating bug investigation.

Developer | **Uniserve Communications**, Vancouver, BC, Canada

Apr 2017 - May 2021

- Built and maintained business-critical backend systems using PHP/Laravel, REST APIs, SQL, queue-based processing, and automation scripts supporting billing, provisioning, payment, and reporting workflows.
- Integrated internal applications with external systems for payment processing, email handling, provisioning, account management, and operational reporting including QuickBooks Online API via OAuth2.
- Designed and implemented an automated payment processing system, increasing transaction success rates and reducing payment gateway failure charges, with reconciliation reports to identify root causes of failures.
- Led a complex data migration from an acquired company's billing platform, reconstructing data structures and preserving business continuity despite limited direct database access.

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EDUCATION

Simon Fraser University, Burnaby, BC Bachelor of Science: Computer Science	Apr 2024
Langara College, Vancouver, BC Associate of Science: Computer Science	Apr 2018

PROJECTS

Client Management App

- Designed and developed a full-stack internal operations platform for an immigration consultancy using .NET, EF Core, PostgreSQL, Next.js, and MUI to manage clients, immigration files, applications, tasks, follow-ups, and payments.
- Migrated authentication from AWS Cognito to ASP.NET Core Identity with JWT bearer tokens, removing a third-party dependency and adding forced password resets and email-based password recovery.
- Containerized the API for AWS Lambda deployment with a health check endpoint and set up GitHub Actions CI with path-based change detection to run build, lint, and format checks on every pull request.

Ductcraft - Project Management App

- Designed a layered Next.js App Router architecture with thin API routes, Zod validation, a central role permission matrix and 40 services over Prisma and PostgreSQL, so business logic stays consistent and testable.
- Turned a single-company app into a multi-tenant SaaS platform with tenant scoping on every record, tenant provisioning, per-tenant branding, a superadmin console and an env-controlled sign-up switch with an interest form that converts leads into new tenants.

ClaimFlow for HVAC - Warranty Claim Processing SaaS

- Built the full-stack application using Next.js 16 App Router, TypeScript, Prisma ORM, PostgreSQL, shadcn/ui, and Tailwind CSS, with shared Zod schemas so client and server validation stay consistent.
- Implemented a server-enforced claim status workflow that calculates deadlines from provider-specific claim windows and shows urgency indicators, helping staff work the most time-sensitive claims first.
- Integrated Stripe Payment Intents for submission fees and Stripe Connect transfers for contractor payouts, with webhook handling, an auditable billing event ledger, and cent-safe fee calculations to prevent rounding drift.

Track a Loonie - Personal Budget Tracker (open source, AGPLv3)

- Designed and built a multi-user budgeting PWA with Next.js App Router, TypeScript, Prisma and PostgreSQL, with Zod validation on every request and all data scoped per user.
- Built a CSV import pipeline with separate credit/debit column support, bounded duplicate detection, batch tracking with undo, regex auto-categorization rules and automatic transfer matching between accounts.

TECHNICAL SKILLS

Programming Languages: C#, TypeScript, JavaScript, PHP, SQL, Python, Java, C

Frontend: React, Redux, Next.js, Kendo UI, Bootstrap 5, HTML/CSS, GraphQL, Tailwind CSS, MUI

Backend / Frameworks: .NET / .NET Core, Lumen (Laravel), Laravel (Queues, Ecosystem), REST APIs, GraphQL, Prisma ORM, NestJS

Databases: SQL Server, PostgreSQL, MySQL, Stored Procedures, Database Migrations

Testing: Unit Testing, Integration Testing, System-Level Testing, Cypress, Jest, SpecFlow, Vitest, Playwright

Cloud / DevOps: AWS (EC2, Lambda, Cognito), Azure DevOps, Docker, Vercel, Git, Nginx, GitHub Actions

Caching / Messaging: Redis, Kafka, Queue-based processing (Laravel Queues)

CERTIFICATIONS

Azure Fundamentals - AZ900