

## PROFESSIONAL EXPERIENCE

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### Senior Software Engineer, CGI

02/2022 – 03/2025 | Remote

Client: TELUS Health

Built a secure, HIPAA-compliant healthcare SaaS platform using a modern JS/TS stack with a real-time patient dashboard, scheduling, and analytics features.

- Designed modular backend APIs using NestJS and TypeScript, with PostgreSQL and Redis
- Implemented real-time features using WebSockets and Redis pub/sub
- Built frontend clinical dashboards using React 18, Next.js 13, and Tailwind CSS
- Developed GraphQL and REST endpoints with rate-limiting and RBAC using Passport.js + JWT
- Orchestrated microservices with Docker and deployed to Azure Kubernetes Service (AKS)
- Automated CI/CD pipelines with GitHub Actions, Helm, and Terraform
- Integrated event-driven services using Kafka and background tasks via BullMQ
- Built end-to-end monitoring with Prometheus, Grafana, and OpenTelemetry
- Reduced time-to-release by 30% via improved build and review workflows

### Senior Full Stack Developer, Amazon

10/2018 – 12/2021 | Vancouver, BC


Migrated monolithic systems to a modular full-stack JavaScript platform using Node.js and React, serving real-time order, fulfillment, and fraud workflows.

- Refactored backend services into NestJS-based microservices using TypeORM + PostgreSQL
- Integrated Kafka and AWS SQS for async messaging and order event pipelines
- Created secure REST/GraphQL APIs with validation middleware and OpenAPI docs
- Built React apps with Next.js for order management, using SSR and SWR for fast UX
- Migrated legacy codebases to TypeScript across both backend and frontend
- Used AWS (Lambda, ECS, RDS, Cognito) for highly available deployments
- Deployed with Jenkins and Terraform; monitored with CloudWatch and ELK Stack
- Increased system throughput by 40% and reduced API response times by 35%

## Steven Andrew Gwillim

### Senior Software Engineer

 Surrey, BC, Canada

 1988-01-26

 <https://github.com/stevengwillim88>

## PROFILE

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Senior Full-Stack JavaScript/TypeScript Engineer with 12+ years of experience building robust, cloud-native web platforms using **Node.js**, **Express**, **NestJS**, **React**, and **Next.js**. Proven expertise in microservices, event-driven systems, and real-time web applications. Skilled in designing scalable APIs, modern frontend architectures, and automating infrastructure with Docker, Kubernetes, and CI/CD pipelines. Passionate about clean code, TypeScript-first development, testing, and mentoring high-performing teams. Experienced across healthcare, fintech, and e-commerce.

## EDUCATION

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**Bachelor's Degree / Computer Science, Simon Fraser University**

2007 – 2011 | Burnaby, BC

## Full Stack Developer, Appnovation

07/2014 – 08/2018 | Vancouver, BC

Delivered a secure, multi-tenant finance platform using full-stack JavaScript with real-time reporting and role-based access.

- Built RESTful APIs using Express.js, MongoDB, and PostgreSQL
- Developed React UIs with Redux, styled-components, and dynamic form libraries
- Built SSR dashboards with Next.js v6–9 and integrated authentication with Auth0
- Handled streaming analytics data via WebSockets + Redis
- Managed CI/CD with Jenkins, Docker, and AWS Elastic Beanstalk
- Integrated payment gateways like Stripe and PayPal securely via backend services
- Refactored critical services to TypeScript and introduced unit/integration test coverage
- Participated in Agile sprints and conducted code reviews for junior developers

## Junior Software Developer, iQmetrix

03/2012 – 05/2014 | Vancouver, BC

Built and maintained internal admin tools and reporting dashboards using Node.js, jQuery, and SQL Server for the telecom retail platform.

- Developed RESTful APIs in Node.js (v0.10–0.12) with Express
- Created data-driven UI components using jQuery and Handlebars.js
- Wrote raw SQL queries and optimized reports in SQL Server
- Participated in QA cycles, documentation, and peer code walkthroughs
- Worked in TFS for source control and bug tracking in a structured Agile team

## SKILLS

**Languages:** JavaScript (ES6+), TypeScript, SQL, HTML5, CSS3  
**Backend:** Node.js, NestJS, Express.js, GraphQL, Passport.js, BullMQ  
**Frontend:** React (17–18), Next.js (10–13+), Redux Toolkit, SWR, Tailwind CSS, styled-components  
**Databases:** PostgreSQL, Redis, MongoDB, SQL Server  
**Cloud & DevOps:** AWS (ECS, Lambda, RDS, SQS, Cognito), Azure (AKS), Docker, Kubernetes, Helm, Terraform, GitHub Actions, Jenkins  
**Architecture:** Microservices, REST/GraphQL APIs, SSR, Event-Driven Architecture  
**Messaging:** Kafka, Redis pub/sub, BullMQ, WebSockets  
**Security:** OAuth2, JWT, Passport.js, Auth0, Cognito  
**Testing:** Jest, Mocha, Cypress, Postman, Swagger, Pact, Supertest  
**Monitoring:** Prometheus, Grafana, OpenTelemetry, CloudWatch, ELK Stack  
**Tooling:** Git, GitHub, Jira, Confluence, Agile/Scrum