

# PRIYAN ARORA

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## Summary

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Computer Science student at the University of New Brunswick with a Dean's List standing, building full-stack web and cloud systems alongside developer tooling. Strongest in TypeScript, React, Java, and backend fundamentals, while actively growing in cloud architecture, testing, and production-style workflows. Pursuing a Geomatics diploma to bridge the gap between computer science and the geospatial world and what that combination makes possible to build.

## Education

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**University of New Brunswick**

*Bachelor of Computer Science*

**September 2024 - May 2028**

*Fredericton, NB*

– CGPA: 3.9 / 4.3

– Additional: Diploma in Technology Management and Entrepreneurship, Diploma in Geomatics (Mapping and GIS)

## Technical Skills

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**Languages:** JavaScript, TypeScript, Java, C, SQL

**Frontend:** React, Next.js, Astro, D3.js, Tailwind CSS, GSAP, HTML, CSS

**Backend:** Node.js, Express, Spring Boot, REST APIs, gRPC, JWT authentication, Zod

**Databases:** PostgreSQL, Supabase, MongoDB, DynamoDB, MySQL

**Cloud and Tools:** AWS Lambda, API Gateway, SQS, Parameter Store, S3, CloudFront, Docker, GitHub Actions, Vercel, Render, Cloudflare, Git, Maven, npm workspaces, Vitest, Jest, Supertest, Testcontainers, Flyway, ArcGIS Pro

## Projects

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**PRPilot** | *TypeScript, Node.js, AWS Lambda, API Gateway, SQS, DynamoDB, Octokit, Zod, Vitest*

- Ongoing self-hostable GitHub App designed to run entirely within the AWS free tier. It reviews pull requests before human review by checking changed files, workflow files, package files, and risky patterns without AI or external data exposure, suited for teams with strict privacy requirements..
- Built the early webhook security foundation around GitHub signature verification, selected-repository scope, normalized payloads, delivery dedupe, and safe queue handoff.
- Designed the required fast-lane review path with deterministic checks, short-lived DynamoDB records, runtime policy controls, and GitHub Check Runs that report clear failures when review coverage is incomplete.

**D3Careers** | *React, Vite, D3.js, Node.js, Express, MongoDB, JWT, Cal.com, Jest, Supertest* [↗](#)

- Full-stack career exploration app where students browse a D3 Sankey diagram of real career movement, filter by major and background, and schedule mentor chats without requiring a login for public pages.
- Built a React and Express stack with MongoDB, JWT role-based auth, protected dashboards, alumni profile completion flows, and Cal.com booking integration with a backend webhook route.
- Sourced alumni data from a refined Kaggle dataset with weighted career paths and background tags, and tested Sankey shape building, route behavior, and booking signature helpers with Jest and Supertest.

**Auctus** | *Next.js, TypeScript, React, Tailwind CSS, Supabase, Vitest* [↗](#)

- Team-built Canadian funding discovery platform taken to Fredericton Ideation Boost Camp in January 2026, helping businesses, students, and professors find relevant grants, scholarships, and research funding.
- Built role-specific funding pages, Supabase authentication, profile onboarding, saved preferences, match scoring, funding detail pages, and a community forum with threads, replies, and helpful votes.
- Built an automated scraper to ingest official Canadian funding sources into the platform and a dashboard showing recommended funding, upcoming deadlines, profile details, and forum activity

**EVLOS-OPS** | *ArcGIS Pro, Python, ModelBuilder, GeoJSON, ArcGIS Online* [↗](#)

- GIS prototype that maps where drone pilots should stand and where visual observers should be positioned to safely monitor planned drone flight paths across Fredericton.
- Created an ArcGIS Pro workflow using DEM-based line-of-sight analysis, sector processing, coverage and blind-spot classification, scoring rules, ModelBuilder documentation, and Python GeoJSON or JSON exports.

**Event Management Platform** | *Java, Spring Boot, PostgreSQL, Flyway, Docker, JWT, gRPC, Maven*

- In-progress Java microservice project where organizers publish events and attendees reserve seats without overselling capacity.
- Built event, identity, gateway, and registration services with JWT validation, role guards, Flyway migrations, PostgreSQL storage, capacity-safe reservations, integration tests, and outbox preparation.

## Developer Tools

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### Likit | *Claude Code/Codex spec kit, npm package* [↗](#)

- Lightweight agentic spec kit for students through gated builds, progress tracking, proof based checkpoints, and senior engineer style critique while never writing code itself and keeping context window minimal.

### GodFlow | *Spec kit installer, npm package*

- Work-in-progress one stop package for spec kits, letting users choose BMAD, GitHub Spec Kit, get-shit-done, Likit through a interactive setup wizard that installs the selected kit and writes project context files according to user input.

## Work Experience

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### Freelance Web Developer | **BSI Solutionz** [↗](#)

**March 2026**

*Client website project*

*Fredericton, NB*

- Designed and developed a public website for BSI Solutionz, a Delhi-based hoist and crane dealer.
- Built with Astro and React with Tailwind CSS, integrated Resend API for enquiry email delivery. Implemented form validation using Zod and React Hook Form to ensure data integrity, hosted on Squarespace.

### Youth Care Worker | **Fredericton Regional Youth Services**

**January 2025 - Present**

*Residential youth support*

*Fredericton, NB*

- Support adolescent residents facing social, emotional, behavioural, or legal challenges by helping maintain safe routines, documenting shift notes, and communicating clearly during staff handoffs.

## Volunteer Experience

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### Upcoming Volunteer | **Atlantic AI Summit 2026**

**May 21, 2026 - June 6, 2026**

*Event operations support*

*Fredericton, NB*

- Scheduled to support summit operations through registration help, attendee guidance, session support, event setup, and general logistics for an applied AI conference.

### Head Coach | **Fredericton District Soccer Association**

**May 2025 - August 2025**

*Recreational youth boys program*

*Fredericton, NB*

- Coached youth players through practices and game-day support, helping them build confidence, teamwork, basic tactics, and a positive learning environment.

## Certifications

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### IBM JavaScript Programming with React, Node and MongoDB Specialization [↗](#)

**January 2026**

Full-stack JavaScript across React, Node.js, Express, and MongoDB.

### IBM Java Developer Professional Certificate [↗](#)

**January 2026**

Java fundamentals, web development, Docker, and Git through project-based work.

### IBM Introduction to DevOps [↗](#)

**October 2025**

DevOps culture, shared workflows, and practices for shipping software reliably.

## Awards

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### Dean's List, University of New Brunswick

**2025 - 2026**

- Assessment year GPA: 4.0

### UNB Scholarship for Academic Excellence

**2024 - 2025**