Rohan Nayyer

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EDUCATION

Georgian College — Toronto, ON
Diploma — Computer Programming — *May 2024 – Dec 2025*

EXPERIENCE

Platform Support Engineer - Volunteer — Mar 2025 – Present
KLHIISA (Non-Profit Organization) — *Remote*

- Supported production web platforms and integrated systems, ensuring stable daily operations across multiple digital services.
- Diagnosed and resolved API integration and configuration issues, improving platform reliability by 30%.
- Documented system workflows and technical processes to improve maintainability and cross-team collaboration.
- Contributed in Agile development cycles including testing, iteration, deployment support, and quality assurance.

Web Developer — May 2025 – Aug 2025
STEM Montessori Academy of Canada — *Remote*

- Designed and deployed scalable backend-driven web features supporting 300+ active users across national STEM programs.
- Translated functional requirements into maintainable software solutions aligned with long-term scalability.
- Performed regression and functional testing prior to production releases, reducing post-deployment defects.

PROJECTS

SubSense — Financial Subscription Detection System — Nov 2025 – Present
Node.js, PostgreSQL, Prisma, Plaid API

- Live Demo | GitHub
- Developed a RESTful backend service processing financial transaction data via Plaid APIs.
- Designed normalized PostgreSQL schemas to support scalable, microservice-ready architecture.
- Implemented secure API endpoints and structured service layers to improve extensibility and maintainability.
- Applied backend performance optimization and structured debugging practices to meet production-ready standards.

Affinity — AI-Assisted Agent-Based Platform — Sep 2025 – Nov 2025
Node.js, Express, MongoDB, JWT, OpenAI API

- Live Demo | GitHub
- Built AI-assisted backend workflows integrating OpenAI APIs to power intelligent journaling and conversational features.
- Designed secure authentication (JWT) and scalable REST APIs backed by MongoDB.
- Structured modular backend services simulating agent-driven feature interactions and workflow orchestration patterns.
- Iterated from prototype to deployment using Agile practices, emphasizing reliability and performance optimization.

TECHNICAL SKILLS

Languages: Python, JavaScript (Node.js), Java, SQL
Backend & APIs: RESTful API Development, Microservices Architecture (Foundational), Secure Authentication (JWT, OAuth), Enterprise Integrations
AI & Workflows: OpenAI API, LLM-based Workflows, Agent-Oriented Feature Design, API Integrations
Databases: PostgreSQL, MongoDB, Prisma ORM (SQL / NoSQL)
Practices: Agile/Scrum, Code Reviews, Technical Documentation, Integration Testing, Regression Testing
Tools: Git, Docker (basic), Postman, Linux, AWS (EC2, S3, RDS – foundational), Render