

Preet Patel

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EDUCATION & LEADERSHIP

Seneca Polytechnic

North York, ON

*Honours Bachelor of Technology — Software Development; **GPA: 3.9***

Anticipated Aug. 2026

- Relevant coursework: DSA, OOP, Software Design/Development, Software Testing, Cloud, SDLC.

Peer Mentor — Seneca Polytechnic

Aug 2023 – May 2025

- Mentored 10+ first-year students per term; led weekly sessions on study skills, career prep, and campus resources.

EXPERIENCE

Software Developer Intern

May 2025 – Aug 2025

Project Human City

Toronto, ON

- Designed and deployed secure GraphQL APIs across three microservices (Node/Apollo) with RBAC to enable parallel feature releases and reduce cross-team coordination.
- Integrated Stripe Connect (webhooks, idempotency) to enable marketplace payouts and automate reconciliation, accelerating merchant onboarding by 10% and reducing payment issues.
- Engineered Redis caching and optimized DB queries, cutting median API latency by 25% and improving backend resilience under peak load.
- Participated in Agile sprints, worked closely with designing and QA teams to prioritize features and resolve issues.

Seneca MyApps Associate

Mar 2024 – Dec 2024

Seneca Polytechnic

North York, ON

- Owned CI/CD and release orchestration for a portal used by 20,000+ students, reducing deployment incidents and improving uptime during term peaks.
- Managed lifecycle for 45+ enterprise apps (versioning, patching, rollouts), coordinating cross-team deployment plans to minimize student disruption.
- Built Python automation for app lifecycle and monitoring, eliminating repetitive manual steps and shortening incident response time.

PROJECTS

Fragments | *Node.js, AWS ECS, Docker, GitHub Actions, Cognito, DynamoDB*

- Built a Node.js REST microservice on AWS ECS and Docker; added GitHub Actions CI/CD to shrink deploy time and improve release reliability.
- Implemented secure auth (AWS Cognito), S3 storage and DynamoDB metadata to enable per-user access and scalable object retrieval.
- Adopted TDD (Jest) to reach 94% unit coverage, reducing production regressions and accelerating debugging cycles.

Volt | *React, Remix, Web Containers, GenAI*

- Architected a browser-hosted GenAI runtime using web containers and Remix to run React/Node previews client-side, removing backend dependency and infra cost.
- Implemented token-usage optimizations and input caching to lower LLM API spend while improving response time.
- Delivered live-coding developer UX with instant previews and file-system to accelerate demos and feedback loops.

OPEN SOURCE CONTRIBUTIONS

Supabase — **Postgres Docs Search** | [GitHub PR](#)

- Diagnosed and fixed a critical docs search bug affecting developer discovery and coordinated PR reviews with maintainers.

Codex (OpenAI) — **Software Eng. Agent** | [GitHub PR](#)

- Patched server-side name-validation issue in an MCP deployment (Rust) to prevent malformed client connections and coordinated upstream review.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, C++, Go, SQL, HTML/CSS

Frameworks & Libs: FastAPI, React, Next.js, Node.js, Express.js, Jest

Databases: MySQL, MongoDB, PostgreSQL, Redis, Qdrant (vector store)

Cloud & DevOps: Docker, Kubernetes, GitHub Actions, Jenkins, AWS (Cognito, ECS, S3)

Tools: Git, Selenium, Postman, Linux, Jira