Shervin Babaei

Full-Stack Software Developer

Portfolio GitHub LinkedIn

SUMMARY

Full-Stack Developer and BCIT student (88% GPA, graduating May 2027) seeking a Co-op, Internship, or Junior Full-Stack role. Experienced in building, testing, and deploying web applications with REST APIs, cloud databases, secure user login systems, Docker containers, and automated delivery pipelines. Top 6 of 36 teams at Hack the Break 2026.

EDUCATION

British Columbia Institute of Technology (BCIT), GPA: 88% Expected May 2027

Diploma in Full-Stack Web Development

Relevant coursework: Data Structures & Algorithms, Object-Oriented Programming, Web Database Technologies, JavaScript Frameworks & Server, C# & ASP.NET Web Application Development, Agile Software Development, UI/UX Development

SKILLS

Languages & Core: TypeScript, JavaScript (ES6+), Python, SQL, C++, HTML5, CSS3
Frontend: React, Next.js, Vite, Tailwind CSS, shadcn/ui, Chakra UI
Backend & Cloud: Node.js, Express.js, FastAPI, RESTful APIs, WebSockets, Python asyncio
Databases: PostgreSQL, MongoDB, Supabase, Redis, SQLite, Mongoose
DevOps & Security: Docker, Git, GitHub Actions, Azure, Vercel, Nginx, OAuth 2.0/JWT, RBAC
Testing & Applied AI: Vitest, Playwright, axe-core, pytest, Integration Testing, Claude Code, OpenRouter, Ollama, LangChain

PROJECTS

SignalDesk, AI News Intelligence & Cross-Source Analysis Platform Live App Repo Case Study Oct 2026 – Nov 2026

Role: Solo Developer **Stack:** Python, FastAPI, React, TypeScript, PostgreSQL, SQLite, Docker, GitHub Actions

- Architected an automated news analysis system combining text matching with smart semantic search to group coverage and compare conflicting story claims across outlets.
- Built isolated user workspaces equipped with secure session tokens, IP rate limiting, and defensive web security protections to safely process feeds.
- Created a comprehensive system health dashboard tracking response speeds and feed uptime, backed by containerized workflows and automated code testing.

Network Growth Assistant, Full-Stack Networking Platform Live App Repo Case Study Oct 2026 – Present

Role: Solo Developer & Architect **Stack:** Next.js, React, TypeScript, PostgreSQL, Supabase, Vercel, Vitest, Playwright

- Built a full-stack outreach and job-application tracker featuring verified contact discovery, live link health checks, and detailed networking metrics.
- Enforced tenant data isolation via PostgreSQL RLS and maintained production reliability with 1,500+ automated unit and E2E tests.
- Built a background alert pipeline that retries failed deliveries with growing delays (15 minutes, 1 hour, 6 hours) before marking them failed, and shipped every signed-in page in English and Canadian French.

SkillMatch, Workshop Discovery Marketplace Live App Team Repo Case Study Apr 2025 – May 2025

Role: Backend & DevOps Lead **Stack:** React, TypeScript, Node.js, Express, MongoDB, Mongoose, JWT

- Delivered end-to-end workshop registration, QR ticketing, and review systems equipped with secure login and role-based access for students and instructors.
- Sped up first load by preloading key routes, splitting React and UI libraries into separately cached chunks, and keeping the MongoDB Atlas connection warm with a scheduled ping.
- Wrote the Express routes for attending, reviewing, and hosting a workshop, behind the JWT middleware that protects them.

GitScribe, AI Conventional Commit Generator (Hack the Break 2026 — Top 6 of 36) Live Demo Repo Case Study March 2026

Role: UI/UX & Frontend Lead **Stack:** React, TypeScript, Chakra UI, Auth0, FastAPI, OpenAI

- Built responsive user sign-in, navigation, and profile interface screens from Figma mockups during a fast-paced 24-hour team hackathon sprint.
- Sent users straight to GitHub sign-in by passing Auth0's connection option, removing the choose-a-provider screen between a visitor and the app.
- Developed an AI tool that compares code file versions to generate standardized commit descriptions, securing Top 6 of 36 teams at Hack the Break.