Merrick Pilon

Developer
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[LinkedIn](#) — [GitHub](#)

Enthusiastic full-stack developer with experience building scalable, cloud-ready web applications. Proficient in both frontend and backend technologies with strong SQL skills in PostgreSQL/MySQL. Demonstrated ability to architect REST APIs, automate workflows, and deploy apps using AWS and CI/CD pipelines. Passionate about writing clean, testable code and collaborating in Agile teams.

Experience

Designated Trainer
St. Jacobs, ON | Home Hardware Stores Ltd. | April 2016 - Sept 2024
- Led onboarding and technical training for new employees, enhancing team efficiency and knowledge retention.
- Managed inventory systems and collaborated on optimizing workflows.
- Developed internal digital tools and automated workflows, improving operational processes and data handling.

Environmental Consultant
London, ON | 2cg Inc | Jan 2013 – April 2016
- Led a team in conducting comprehensive waste audits across multiple sectors
- Analyzed waste management practices and prepared detailed reports based on findings.
- Coordinated with city officials to ensure compliance with environmental regulations and best practices.
- Provided recommendations for sustainable waste management improvements.

Education

Computer Programming – With Distinction
Conestoga College, School of Applied Computer Science & Information Technology
September 2023 – April 2025

Certifications
- CompTIA Security+ (in progress)

Skills
- Languages: JavaScript/TypeScript, Java, Python, SQL, C#, Bash
- Frameworks & Libraries: Next.js, React, Node.js, Express.js, ASP.NET, .NET Framework, Angular
- Databases: PostgreSQL, MySQL, MongoDB, DynamoDB

- Tools & Platforms: Git, GitHub/Actions, Vercel, VS Code, Cisco Packet Tracer, Azure DevOps, AWS, CI/CD pipelines, pgAdmin

Projects

Ticker Tracker (in progress)
- Developed a real-time stock and cryptocurrency tracking web application to help users monitor their investments and watchlists efficiently.
- Deployed on both Vercel and AWS Amplify.
- Integrated multiple financial data APIs, including Alpha Vantage and Twelve Data, for comprehensive market coverage.
- Designed and implemented the backend using Hono API with robust schema validation through Zod and AWS DynamoDB for scalable data storage.
- Built a responsive frontend with Next.js, leveraging Zustand for state management (watchlist and owned stocks) and TanStack Query for efficient data fetching and caching.
- Implemented user authentication and authorization using Clerk.
- Visualized market trends and portfolio performance with Recharts for interactive, dynamic charts.

AI-Powered Mental Health Platform
- Architected a scalable web platform offering AI-powered assessments and real-time video sessions.
- Designed back-end logic with PostgreSQL (Neon.tech) and Prisma ORM; used Next.js API routes.
- Integrated secure authentication (NextAuth), built a responsive UI with Tailwind and Shadcn.
- Delivered features in an Agile flow with Git, GitHub, and CI-based deployment.
- Designed monitoring and error handling mechanisms to ensure application health and reliability, using developer tools like GitHub Actions and pgAdmin.

Budgeting App
- Built a personal finance tool with file upload, transaction parsing, and dynamic budget visualizations.
- Backend: Hono API with PostgreSQL and Drizzle ORM.
- Frontend: Next.js (App Router), Zustand for state, TanStack for data fetching.
- Integrated CI/CD for automated testing and deployment.

Achievements
- Winner of ConHacks 2025 (Hackathon) – link to Conestoga Article
- Conestoga College 3.75 GPA (89%)