

Shawn Ohn

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Full-Stack Software Developer with 5+ years of experience delivering scalable web and cross-platform applications using React, Next.js, FastAPI, and .NET Core. Skilled in modernizing legacy systems, optimizing cloud-based backend architecture, and collaborating across teams to build high-performance, user-focused products.

PROFESSIONAL EXPERIENCE

Strata Research, Ltd.

Kitchener, ON

Software Developer

Aug 2021 – Apr 2025

- Unified fragmented backend logic by replacing all AWS Lambda functions and API Gateway routes with a containerized FastAPI service connected to a new PostgreSQL RDS instance, resulting in reduced infrastructure cost, simplified deployment pipelines, and improved long-term codebase maintainability
- Modernized a legacy frontend by migrating to Next.js and integrating Mapbox, DeckGL, and Recharts, resulting in faster render times, improved geospatial data clarity and more intuitive user/admin configuration flows
- Delivered production-ready web and cross-platform apps for multiple clients using React, TypeScript, Express.js, and Python, improving app performance and user experience across diverse platforms and client environments
- Led the redevelopment of a protocol tracking and machine control application for germ testers in the healthcare industry, replacing a legacy system with a modern C# .NET Framework solution that improved stability, usability, and operational efficiency

HitGrab Game Labs

Toronto, ON

Game Developer (Independent Contractor)

Oct 2020 – May 2021

- Implemented multi-platform sign-in, in-app purchases, and push notifications using Firebase, and ported to Android for release on Google Play, enabling cross-platform access and monetization

Endev Studio

Toronto, ON

Mid Level Developer (Contract Full-time)

Feb 2021 – Apr 2021

- Built core features for a mobile dating app using Flutter, Firebase, and Node.js, contributing to the initial launch

Austem

South Korea

Software Engineer

May 2014 – Apr 2017

- Designed and developed a C# .NET-based ERP system for an automotive manufacturer, improving scalability and streamlining workflows across finance, procurement, and production teams
- Automated various calculation tasks and implemented features for generating internal documents, replacing manual processes and improving reporting efficiency

EDUCATION

University of Windsor

Windsor, ON

Master of Applied Computing

Jan 2018 – Apr 2019

SKILLS AND TECHNOLOGIES

- **Frontend:** React, Next.js, Remix, Blazor, MAUI, JavaScript, TypeScript, HTML, CSS, Tailwind CSS, Responsive Design, Web Accessibility
- **Backend & Database:** Python, FastAPI, Node.js, Express.js, C#, ASP.NET Core, RESTful APIs, GraphQL, Prisma, Supabase, PostgreSQL, Microsoft SQL Server, SQLite, MongoDB, RabbitMQ
- **Platforms & Tooling:** Git, GitHub, Docker, Firebase, AWS, Microsoft Azure, Google Cloud Platform, Vercel, Netlify, Terraform, CI/CD, Redux, React Context API, Jest, Vitest, React Testing Library, Agile/Scrum