Uğur (Ian) Pekünsal

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SUMMARY

Full-Stack Developer with 5 years of experience.

EXPERIENCE

Full Stack Developer - Product

Nelson Education **April 2026 - Present, Toronto, ON | Hybrid**

- Develop and maintain microservices using Go, Protobuf, and MongoDB within an AWS environment.
- Build front-end features using React, Redux-Saga, and GraphQL (Apollo).
- Utilize Docker and Istio for service orchestration and Kibana for system monitoring.
- Collaborate with the product team to transition core content features into scalable engineering solutions.

Web Developer - R&D

Nelson Education **October 2025 - April 2026, Toronto, ON | Hybrid**

- Develop and maintain web applications using JavaScript (ES6+), HTML, CSS, and modern frameworks such as React.
- Build and integrate front-end and back-end functionality using Node.js, version control with Git, and cloud platforms including AWS (infrastructure), Azure (neural speech), and GCP (Firebase).
- Collaborate with cross-functional teams to gather requirements, iterate on features, and deliver scalable, user-focused solutions.

Digital Content Developer

Nelson Education **March 2024 - September 2025, Toronto, ON | Hybrid**

- Design and develop digital content using HTML, JavaScript, and multimedia tools like Adobe Illustrator, Premiere, and Photoshop.
- Convert and adapt existing content into engaging, accessible HTML formats aligned with style guides.
- Collaborate with SMEs, project managers, and cross-functional teams to gather requirements, iterate content, and ensure alignment with project goals.
- Ensure accessibility compliance, including proper use of alt text, heading structure, color contrast, and other best practices.
- Use templates and tools to create and edit interactive media, animations, and videos (including text-to-speech).
- Manage projects efficiently, track tasks, maintain organized digital assets, and meet deadlines using project management tools.
- Perform quality assurance, troubleshoot production issues, and support post-launch product maintenance.
- Stay current with industry trends to enhance digital content development and innovation.

Web Developer

Sylogist **May 2022 - July 2023, Barrie, ON | Remote**

- Integrate Microsoft Dynamics CRM with proprietary and third-party Content Management Systems (CMS) to create seamless and functional user-facing portals.
- Develop and implement front-end components and user interfaces based on technical specifications, wireframes, and user stories using modern web technologies.
- Analyze and apply performance enhancements and code optimizations to reduce application loading times and improve the overall user experience.

Freelance Web Developer

Destinade **June 2020 - May 2022, North York, ON | Hybrid**

- Develop and maintain travel management software.
- Implement new features, test, and debug the software.

Junior Web Developer

Gri Creative **June 2019 - May 2020, Kadiköy, İstanbul | On-Site**

- Apply custom layouts to existing portals and fix bugs.
- Collaborate closely with senior developers to understand requirements and design specifications.
- Use HTML, CSS, and JavaScript skills to create visually appealing and functional layouts.
- Participate in code reviews with colleagues to ensure the quality and consistency of the codebase.

PROJECT

Alt Text Generator

Nelson Education

- Overview: A web application designed to automate the generation of alt text for images, which enhances accessibility and streamlines content workflows.
- Automation: Integrates with ATG and Nellie-Backend to analyze images and automatically generate descriptive alt text.
- Reporting and Distribution: Generates PDF and Excel reports for easy review by editors, with an automated email distribution system for more efficient access.
- Data Import: Implements alt text data import features to improve data management and overall workflow efficiency.
- Efficiency: Reduces the alt text and visual description creation process from a 4-week timeframe to just 1 week.

Nellie - Productivity Wizard

Nelson Education • marketplace.visualstudio.com/items?itemName=Destinade.nellie

- Core Automation: Engineered an automation suite utilizing OpenAI, Google Cloud Vision, and AWS to cut manual workloads by 30%.
- Error Mitigation: Built automated validation workflows that reduced editorial and compliance errors by 30% within three months.
- Efficiency & Analytics: Saved 25% of time spent on editorial tasks within six months; integrated AWS CloudWatch for user engagement analytics.
- UI Modernization: Designed an accessible v1.3.0 interface to onboard non-technical users, driving an 80% adoption rate in one month.

EDUCATION

Software Engineering Technology AI - Honour's

Centennial College • Scarborough • 2025 • 3.92

Software Engineering Technician - Honour's

Centennial College • Scarborough, ON • 2022 • 3.48

- CCSAI Excellence in Academics and Leadership Scholarship

CERTIFICATIONS

Certified ScrumMaster® (CSM)

Scrum Alliance • 2025

- Professional certification in Scrum methodology, demonstrating knowledge and ability to facilitate and guide Scrum teams.

Microsoft Certified: Azure Fundamentals

Microsoft • 2023

- Validation of foundational knowledge of cloud services and how those services are provided with Microsoft Azure.

INVOLVEMENT

Volunteer Event Technician

Ottawa, ON • Federation for the Humanities and Social Sciences • June 2022 - June 2022

- Assisted presenters with equipment setup and conducting test runs.
- Throughout the presentations, I intervened if either the presenter or a significant portion of the audience faced technical issues.
- Maintained attendance records and reported the specifics of any technical issues encountered.

SKILLS

Cloud & Infrastructure: AWS (EC2, Lambda, S3, CloudFormation), Docker, Istio, CI/CD, Kibana

Frontend: React, Next.js, Redux-Saga, TypeScript, JavaScript (ES6+), HTML5, CSS3, SASS/SCSS, Material-UI, Tailwind CSS

Backend & APIs: Node.js, Go (Golang), Protobuf, Express, RESTful APIs, GraphQL (Apollo), MongoDB, PostgreSQL, MySQL, Redis, Microservices

AI, ML & Cloud Services: OpenAI API, Google Cloud Vision (GCP), Azure (Neural Speech), Firebase, Microsoft Cognitive Services, NLP, Python, TensorFlow

Tools & Methodologies: Claude Code, OpenAI Codex, Hermes Agent, T3 Code, Jest, Playwright, VS Code, cmux, Git, GitHub, Agile, Scrum, Code Review