

Scott Greff

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PROFILE

As a dynamic and innovative web developer, my passion lies at the intersection of cutting-edge technology and creative solutions. I am dedicated to lifelong learning, constantly updating my skills to stay ahead in the ever-evolving tech landscape. My problem-solving abilities are matched by a robust set of soft skills that make me an invaluable team player. I am eager to genuinely listen and learn from others and contribute my honest insights only when I believe it will aid in resolving challenges. With a personal interest in music, cooking, and travel, I bring a sense of creativity to the development process, ensuring that code not only functions but engages. I am driven by a relentless pursuit of excellence, taking pride in writing clean, efficient code and seeing tasks through to completion. As I seek to contribute to a forward-thinking team, my goal is to deliver high-quality web solutions that drive innovation and exceed expectations.

WORK EXPERIENCE

2022-2024 **Full-Stack Developer**, Vancouver, BC
Freelance Work
* Please see section Hard Skills and Website's Portfolio

- Expertise in HTML, CSS, and JavaScript for crafting responsive and interactive user interfaces.
- Knowledge of server-side languages such as Node.js, Python, or PHP for backend development.
- Ability to work with various databases, including relational databases (Postgres) and Non-relational databases (MongoDB).
- Experience with front-end frameworks (React & Next JS) and libraries, as well as backend frameworks (Express.js).
- Proficiency in using version control systems for code tracking (GitHub), collaboration (JIRA), and deployment (AWS).
- Skilled in creating and integrating APIs, with RESTful services for client-server communication.
- Expertise in implementing robust state management solutions (Redux) to ensure a seamless data flow and maintain application state across multiple sessions and interactions.
- Proficient in implementing authentication mechanisms, leveraging JSON Web Tokens for secure user session management and maintaining application integrity.
- Comprehension of web architecture, including client-server communication, data flow, and security best practices.
- Understanding of basic design principles to ensure applications are both user-friendly and visually appealing.

- Strong analytical and problem-solving abilities for effective troubleshooting and debugging of web applications.
 - Good communication, time management, and a proactive approach to learning and adapting to new technologies.
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2016-2019

Greff Growler, Vancouver, BC
Partnership Owner
Product Design, Sales, Marketing, Production Lead

Co-owner of a business that specialized in supplying breweries with customized, branded merchandise for sale at their locations.

- Designed a range of products including portable beer growler holders and home bar accessories.
 - Managed the logistics and supply chain coordination for the product from the point of manufacture to delivery.
 - Market and distribute a curated selection of portable beer growler holders and home bar accessories to breweries for retail.
 - Developed partnerships with local and regional breweries to expand market presence and brand recognition.
 - Instituted a quality control process to guarantee the highest standard of products delivered to brewery.
 - Launched targeted social media campaigns to generate interest and brand awareness.
 - Conducted A/B testing for marketing by using Google analytics to optimize ad spend and improve ROI.
 - Partnered with local events and beer festivals to sponsor booths, increasing product visibility and direct customer engagement.
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2007-2019

Vancouver Public School Board, Vancouver, BC
School and Student Support Worker
Tutoring Teacher for Math and Science (2014-2019) Team
Lead of District Program (2010-2014)

Taught within classrooms to reinforce and provide personalized tutoring on course material for students. Supported students with diverse abilities in integrated classrooms, special programs and in work experience.

- Tailoring teaching methods to accommodate different learning styles.
- Breaking down complex topics into understandable segments.
- Creating engaging lesson plans to reiterate classroom material.
- Helping students develop effective study and time management skills.
- Participated in quality assurance audits and program reviews.
- Participating in professional development to stay current with educational best practices.
- Assessing student understanding and knowledge gaps through informal assessments.
- Conducting one-on-one or small group tutoring sessions.

- Monitoring student progress and adjusting teaching strategies accordingly.
- Trained and mentored support workers.
- Advocated for student self-determination, empowerment, inclusivity and diversity.
- Aided in the development and implementation of Individual Education Plans.
- Liaised with families and community supports, maintaining excellent communication, respect and trust.

2005-2007

Spectrum Society for Community Living, Vancouver, BC
 Team Lead - Key Worker (2005-2008)
 Community Support Worker

Primary Caregiver, supported adults with diverse abilities.

- Supervised, trained, and mentored staff in the needs of the clients and ensured they were up to date on client development and changing needs.
- Participated in staff hiring, created staff schedule, and completed staff performance reviews.
- Provided leadership, in conjunction with the clients, Manager and team, in determining short and long-term goals, and in the planning and development relevant to the needs of the clients.
- Coordinated and facilitated team meetings.
- Oversaw the care and support of clients in areas of health, safety, finances, staffing, and record keeping.
- Liaised with health care teams, families and community services.

EDUCATION

- Associates Degree in Computer Science, Langara, Vancouver BC (2023)
- Berkely School of Music, Audio Engineering, Boston Ma, (2003)
- Grade XII Diploma, O'Neil Secondary, Regina, SK (2001)

EDUCATION (non-formal)

- Machine Learning Course by Andrew Ng (current)
- Data Structures & Algorithms in C++ by Mosh Hamedani
- C++ Course on low level optimization
- OOP Course in Java

ACCOMPLISHMENTS, CONTINUOUS GROWTH

- Streamlined codebase by refactoring components, achieving a 60% reduction in code length for enhanced readability and maintainability, aligned with best practice industry standards.

- Developed and integrated efficient back-end services with databases, leading to a ~600ms decrease in data fetching by upgrading legacy code to newer server-side rendering.
 - Enhanced user security by transitioning from session-based to JWT token-based authorization, tightening app security while also reducing data transfer by 45%.
 - Instituted a stable global state management system to eliminate prop-drilling, thereby improving the code base's readability, maintainability, all while achieving the separation of concerns principle.
 - Successfully launched multiple responsive websites that met or exceeded user engagement metrics.
 - Actively pursuing and obtaining certifications in cutting-edge web technologies, collaborating with senior developers on side projects that extend our collective expertise, foster peer-to-peer learning.
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HARD SKILLS

Languages: JavaScript, TypeScript, HTML, CSS, Python, Java, C++, SQL, PHP

Frontend / Backend Framework: React, Next JS, Express, Django

CSS Frameworks: Tailwind, Bootstrap

Component Libraries: ShadCN, React-Bootstrap, Styled-Components, Material-UI, Tailwind-UI

Databases: PostgreSQL, MongoDB, SQLite, Plain JSON

ORMs: Mongoose, Prisma, Drizzle

Authentication: OAuth, Sessions, JWT /JWE, Auth.js, Clerk, , Adapters, Providers

State Management: Redux, Context, Zustand

APIs: REST API, Fetch, Axios, Public, Token-Based

Form Management and Validation: React Hook Form, ZOD, Toast

Accessibility: Aria: Screen Readers, UX/UI

Runtime Environments: NodeJS, AWS Lambda,

Security & Prevention: SQL Injection, CORS, Cross-Site-Scripting

SEO: Crawling, Ranking, On-Page Optimization, Keyword Research, Off-Page Optimization, Backlinks, Google Analytics, hrefs

Repositories: Git, GitHub, GitBucket

Software Architecture: Model-View-Controller, Model-View-ViewModel

Methodologies: CI/CD, Agile Development, Scrum, User Stories

Coding Paradigms: Functional Programming , Object-Oriented Programming, Procedural Programming

Testing: Jest

Cloud Services: Netlify , Vercel , Firebase , AWS , Google Cloud, Azure

Animation - 2&3D: CSS , Spline , Adobe After Effects , Framer Motion , Blender

Graphics Editors: Figma , Adobe Illustrator , Adobe Photoshop , Adobe Premiere Pro

Audio Recording: Audacity , Logic Pro , Cubase , Garage Band , Pro Tools

* REFERENCES UPON REQUEST